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ABSTRACT

Longitudinal grade distribution frequencies before and after the institution of open admissions in fall 1970 are discussed in three related documents. The first examines the period from spring 1968 to fall 1973, showing failure grades increasing from 5.2% to 10.1% (94% increase) with open admissions, and "C" grades decreasing 19%, while all other grades showed less than 2% change. In the second document, covering spring semesters from 1968 to 1974, similar changes are noted. In addition, the percentage of "F" grades appears to follow a linear downward trend since open admissions. Both papers include grades by departments and/or divisions, evening and day classes, and credit/non-credit course work. The third document summarizes the period from 1968 to 1976 to establish grade distribution indices for monitoring and comparing grades longitudinally. Over the nine-year span, highest levels of "F" grades are shown to occur in 1971 in the first open admissions spring semester, and again in spring 1976. Explanations of this phenomenon included (1) student schedule overloads, as reflected in a 6% rise in unofficial withdrawals in 1976, and (2) freshmen entering with College Admission Averages below 70 increased from 6.5% in spring 1975 to 43.2% in spring 1976, the year immediately preceding tuition imposition. Extensive statistical tables are appended to each document. (RT)

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COMPARATIVE DATA ON THE DISTRIBUTION OF GRADES BEFORE AND DURING THE OPEN ADMISSIONS POLICY AT QUEENSBOROUGH COMMUNITY COLLEGE

OFFICE OF TESTING, EVALUATION AND EDUCATIONAL RESEARCH

QUEENSBOROUGH COMMUNITY COLLEGE

THE CITY UNIVERSITY OF NEW YORK

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COMPARATIVE DATA ON THE DISTRIBUTION OF GRADES BEFORE AND DURING THE OPEN ADMISSIONS POLICY AT QUEENSBOROUGH COMMUNITY COLLEGE

Purpose of the Report

The major thrust of this report was to determine whether there has been a change in the distribution of grades at Queensborough Community College with the advent of the Open Admissions Policy in the Fall of 1970. Under the program of Open Admissions at the City University of New York (CUNY), all graduates of New York City high schools are guaranteed entrance to a CUNY college without regard to high school averages.

It is not within the scope of this report to probe into the reasons for any differences found in Pre and Open Admissions grade distributions.

The Data

Appendices A through F summarize the distribution of grades by Department and College-wide for the Day and Evening divisions separately and combined.

At the end of each semester, the Queensborough Community College Data Processing Center routinely generates grade distributions for each department of the school. These data were available from the Fall, 1968 semester through the Fall, 1973 semester. For purposes of this report, it was necessary to combine minus and plus letter grades which were initiated in the Fall '69 semester, in order to make the data uniform.

In order to compare the grade distributions before and during Open Admissions, totals of both frequencies and percentages were generated from the grade distributions of the Pre Open Admissions period (five semesters) and the Open Admissions period (seven semesters). The distribution of summer session grades was not included in this report.

Operational Definition of Terms Used in the Tables and Appendices

The Grades[1]

A: Includes A and A-
B: Includes B+, B and B-
C: Includes C+, C and C-
D: Includes D+, D and D-
F: Imcludes F, WF and UF
W: Includes W and WL
P: Pass - Passing grade for non-credit courses
H: Includes H, HC and HP

Pre Open Admissions (Pre)

Pre Open Admissions refers to the total of grade distributions generated from the following five semesters: Spring 1968, Fall 1968, Spring 1969, Fall 1969 and Spring 1970.

Open Admissions (Open)

Open Admissions refers to the total of grade distributions generated from the following seven semesters: Fall 1970, Spring 1971, Fall 1971, Spring 1972, Fall 1972, Spring 1973 and Fall 1973.

Frequencies

Frequencies refer to the number of students given specific grades for a particular semester. For Pre Open Admissions,

[1]See QCC catalog for explanation of grades. Please note that plus and minus grades were not utilized till Fall '69.

the total of frequencies was generated by adding together the grade frequencies of the five semesters prior to Fall, 1970. An analagous procedure was used to compute the total for Open Admission semesters From Fall, 1970 through Fall, '73.

Percentages

Percentages were computed by taking the total number of students given a particular grade for the Pre Open Admissions and the Open Admissions periods and dividing by the total number of students given grades during that particular period.

COMPARISON OF COLLEGE-WIDE PRE AND OPEN ADMISSIONS GRADE DISTRIBUTIONS

Day Session: College-Wide (Credit Courses)

A comparison of the totals of the Pre and Open Admissions distribution of grades for all departments combined (College-wide) in the Day Session, found at the end of Appendix A, and summarized in Table 1, shows the following:

1. Percentage increases[2] respectively between Pre and Open Admissions periods are as follows:

   F's (4.1 to 9.8)

   W's (12.1 to 15.2)

   Incompletes (2.6 to 4.9)

2. Percentage decreases[2] respectively between Pre and Open Admissions periods are as follows:

   B's (29.7 to 26.5)

   C's (30.6 to 24.2)

---

[2] Increases and decreases are operationally defined as an absolute change equal to or greater than two.

3. Similar[3] percentages (respectively):

A's (12.1 to 11.5)

D's (8.8 to 7.9)

Evening Session: College-Wide (Credit Courses)

A comparison of the totals of the Pre and Open Admissions distribution of grades for all departments combined (College-wide) in the Evening Session, found at the end of Appendix B, and summarized in Table 1, shows the following:

1. Percentage increases respectively between Pre and Open Admissions periods are as follows:

A's (12.8 to 16.6)

B's (25.4 to 29.3)

F's (7.4 to 11.1)

2. Percentage decreases respectively between Pre and Open Admissions periods are as follows:

C's (24.4 to 19.4)

D's (8.2 to 5.9)

W's (18.8 to 13.3)

3. Similar percentages (respectively):

Incompletes (3.5 to 4.4)

Total: Day and Evening Sessions Combined: College-Wide (Credit Courses)

A comparison of the totals of the Pre and Open Admissions

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[3]Percentages are considered similar if absolute changes are less than two.

distribution of grades for all departments in the College (Day and Evening Combined) found at the end of Appendix C, and summarized in Table 1, shows the following:

1. Percentage <u>increases</u> respectively between Pre and Open Admissions periods are as follows:

   F's (5.2 to 10.1)

2. Percentage <u>decreases</u> respectively between Pre and Open Admissions periods are as follows:

   C's (28.4 to 23.0)

3. <u>Similar</u> percentages (respectively):

   A's (12.4 to 12.7) Incompletes (3.0 to 4.8)

   B's (28.2 to 27.2)

   D's (8.6 to 7.4)

   W's (14.2 to 14.8)

Inspection of Table 1 below shows that during the Open Admissions period there has been an increase in the proportion of failing grades (5.2 to 10.1%) while the proportion of "C" grades shows a 5.4% decrease. All other grade distributions (A's, B's, D's, W's and Incompletes) have shown an absolute change of less than 2%.

It should be noted that because the Day Session enrollments are generally sharply higher than Evening Session, the

configuration of percents for combined Day and Evening courses may be different than Day and Evening Sessions considered separately.

TABLE 1

COMPARISON OF PRE AND OPEN ADMISSIONS PERCENT CHANGES IN GRADE DISTRIBUTIONS FOR CREDIT COURSES (COLLEGE-WIDE) BY SESSION

Pre to Open Admissions Percent Changes	Day N (Pre) 90814 (Open) 214216	Evening N (Pre) 48885 (Open) 69123	Day & Evening N (Pre) 139699 (Open) 283339
Increases[2]	F's (4.1 to 9.8) W's (12.1 to 15.2) Incompletes (2.6 to 4.9)	A's (12.8 to 16.6) B's (25.4 to 29.3) F's (7.4 to 11.1)	F's (5.2 to 10.1)
Decreases[2]	B's (29.7 to 26.5) C's (30.6 to 24.2)	C's (24.4 to 19.4) D's (8.2 to 5.9) W's (18.8 to 13.3)	C's (28.4 to 23.0)
Similar[3]	A's (12.1 to 11.5) D's (8.8 to 7.9)	Incompletes (3.5 to 4.4)	A's (12.4 to 12.7) B's (28.2 to 27.2) D's (8.6 to 7.4) W's (14.2 to 14.8) Incompletes (3.0 to 4.8)

[2] Increases and decreases are operationally defined as an absolute change equal to or greater than two.

[3] Percentages are considered similar if absolute changes are less than two.

Day Session: College-Wide (Non-Credit Courses)[4]

A comparison of the totals of the Pre and Open Admissions distribution of grades for remedial non-credit courses in the Day session, found at the end of Appendix D and summarized in Table 2 shows the following:

1. Percentage increases respectively between Pre and Open Admissions periods are as follows:

   H's (6.7 to 13.7)

2. Percentage decreases between Pre and Open Admissions periods are as follows:

   F's (15.6 to 11.8)

   W's (14.9 to 11.2)

3. Similar percentages (respectively):

   Pass (59.0 to 59.6)

   Incompletes (3.8 to 3.4)

Evening Session: College-Wide (Non-Credit Courses)[4]

A comparison of the totals of the Pre and Open Admissions distribution of grades for non-credit courses in the Evening Session, found at the end of Appendix E and summarized in Table 2 shows the following:

1. Percentage increases respectively between Pre and Open Admissions periods are as follows:

   F's (12.9 to 19.0)
   H's (5.4 to 11.4)

---

[4]Remedial courses in English, mathematics and speech do not earn college credit.

2. Percentage decreases respectively between Pre and Open Admissions periods are as follows:

W's (17.0 to 7.4)

Incompletes (4.7 to 1.5)

3. Similar percentages (Respectively):

P's (59.9 to 60.6 respectively)

Total: Day and Evening Sessions Combined: College-Wide (Non-Credit Courses)[5]

A comparison of the totals of the Pre and Open Admissions distribution of grades for non-credit courses for the entire College, Day and Evening Sessions combined, found at the end of Appendix F shows the following:

1. Percentage increases, respectively, between Pre and Open Admissions periods are as follows:

H's (6.0 to 13.1)

2. Percentage decreases, respectively, between Pre and Open Admissions periods are as follows:

W's (15.9 to 10.2)

3. Similar percentages (Respectively):

P's (59.4 to 59.9)

F's (14.2 to 13.9)

Incompletes (4.5 to 2.9)

---

[5]Remedial courses in English, mathematics and speech do not earn college credit.

Inspection of Table 2 below shows that during the Open Admissions period the proportion of "H" grades has more than doubled (6.0 to 13.1) while "W"'s showed a decline of 5.7%. Proportions of "P", "F" and "Incomplete" grades were quite similar with an absolute change of less than 2%.

TABLE 2

COMPARISON OF PRE AND OPEN ADMISSIONS PERCENT CHANGES IN GRADE DISTRIBUTIONS FOR NON-CREDIT COURSES BY SESSION

Pre to Open Admissions Percent Changes	Day N (Pre) 2620 (Open) 19776	Evening N (Pre) 2759 (Open) 7443	Day & Evening N (Pre) 5379 (Open) 27219
Increases[1]	H's (6.7 to 13.7)	F's (12.9 to 19.0) H's (5.4 to 11.4)	H's (6.0 to 13.1)
Decreases[1]	F's (15.6 to 11.8) W's (14.9 to 11.2)	W's (17.0 to 7.4) Incompletes (4.7 to 1.5)	W's (15.9 to 10.2)
Similar[2]	P's (59.0 to 59.6) Incompletes (3.8 to 3.4)	P's (59.9 to 60.6)	P's (59.4 to 59.9) F's (14.2 to 13.9) Incompletes (4.5 to 2.9)

[1] Increases and decreases are operationally defined as an absolute change equal to or greater than two.

[2] Percentages are considered similar if absolute changes were less than two.

A departmental comparison of Pre and Open Admissions (See Appendix C) by percent distribution for each grade shows the following:[6]

Pre: Range of A's; 4.3% (Biology) to 23.4% (Electrical Technology)

Open: " " " 4.6% (History) to 21.2% (Electrical Technology)

Pre: Range of B's; 16.1% (Chemistry) to 38.2% (Speech & Drama)

Open: " " " 16.6% (History) to 35.8% (Art)

Pre: Range of C's; 21.3% (Math) to 37.3% (Nursing)

Open: " " " 17.0% (Math) to 36.5% (Nursing)

Pre: Range of D's; 3.6% (Speech & Drama) to 20.3% (Biology)

Open: " " " 3.2% (Health & Phys. Ed.) to 16.2% (Biology)

Pre: Range of F's; 2.3% (Mechanical Technology) to 9.5% (Math)

Open: " " " 5.4% (Electrical Technology) to 15.6% (Math)

Pre: Range of W's; 6.6% (Health & Phys. Ed.) to 31.4% (Chemistry)

Open: " " " 8.9% (Nursing) to 23.7% (Languages)

Pre: Range of Incompletes: 1.3% (Health & Phys. Ed. & Speech & Drama) to 4.8% (English)

Open: " " " 0.5% (Nursing) to 8.5% (Mechanical Technology)

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[6] Education and Geology courses not considered since they are included in the Social Science and Biology departments respectively.

High School Averages and QCC Grades

An important variable which should be considered when comparing grade distributions is the academic preparation of students as reflected by high school averages. A comparison of high school averages for the Pre and Open Admissions periods would be most informative. These data are only available however, for the Open Admissions period from Fall 1970 through Spring 1974.

It seems worthwhile though, to look at the proportion of students in the three high school average categories; namely,

Regular:	75% and above
Level A:	70 - 74.9%
Level B:	Below 70%

Since Fall entrants may be different from Spring entrants, it seems logical to analyze these two groups separately. Data from Appendix G were extracted to compare high school averages of Fall entrants as shown in Table 3 below:

TABLE 3

A LONGITUDINAL COMPARISON OF PERCENTAGES OF INCOMING FRESHMEN BY HIGH SCHOOL AVERAGE CATEGORY FOR FALL SEMESTERS

H.S. Average Category	Fall Semesters			
	Fall 1970	Fall 1971	Fall 1972	Fall 1973
Regular (75% & Above)	36.0	41.2	38.2	44.7
Level A (70-74.9)	34.5	34.4	28.7	29.6
Level B (Below 70)	29.5	24.0	29.7	21.8
Unknown	-	.3	3.4	3.9

It is apparent from Table 3 that since 1970 the proportion of students with higher high school averages seems to be increasing. Conversely, the proportion of students with lower high school averages seems to be decreasing.

Data from Appendix G were extracted to compare high school averages of Spring entrants as shown in Table 4 below:

TABLE 4

A LONGITUDINAL COMPARISON OF PERCENTAGES OF INCOMING FRESHMEN BY HIGH SCHOOL AVERAGE CATEGORY FOR SPRING SEMESTERS

H.S. Average Category	Spring Semesters			
	Spring 1971	Spring 1972	Spring 1973	Spring 1974
Regular (75% & above)	25.2	19.9	32.6	42.8
Level A (70-74.9)	35.3	22.3	27.8	24.2
Level B (Below 70%)	39.4	57.8	39.6	32.7
Unknown	-	-	-	.3

It is apparent from Table 4 above that since 1971 the proportion of Spring entrants with higher high school averages seems to be increasing. Conversely, the proportion of students with lower high school averages seems to be decreasing.

A longitudinal analysis of the high school averages of incoming freshmen since Open Admissions shows a tendency for increasing proportions of students in the "Regular" category (above 75%) for both Fall and Spring entrants. It appears that the Open Admissions period is not static regarding this variable. It should also be considered that high school averages may not necessarily be consistent and valid measures of academic achievement.

Summary

Inspection of combined Day & Evening data in Tables 1 and 2 shows the following pre and Admissions comparisons:

Credit Courses

a) Most grade distributions (5 out of 7) have shown an absolute change of less than 2% (A's, B's, D's, W's, and Incompletes).

b) The percent of failures almost doubled (5.2% to 10.1%), an increase of approximately 94%.

c) The percent of "C" grades decreased from 28.4% to 23%, a decrease of approximately 19%.

Non-Credit Courses

a) Most grade distribution (3 out of 5) have shown an absolute change of less than 2%.

b) The "H" grade distributions have more than doubled (6.0 to 13.1).

c) The "W" grade distributions decreased from 15.9% to 10.2%, a decrease of approximately 36%.

APPENDIX A

DAY SESSION

GRADE DISTRIBUTION OF CREDIT COURSES SHOWING FREQUENCIES & PERCENTS FOR EACH DEPARTMENT AND TOTAL OF ALL DEPARTMENTS (COLLEGE-WIDE)

1968 - 1973

DEPARTMENT	A (%) (A, A-)	B (%) (B+,B,B-)	C (%) (C+,C,C-)	D (%) (D+,D,D-)	F (%) (F,WF,UF)	W (%) (W,WL)	INC. (%)	TOTAL (100%)[a]
ART								
Pre	728 (16.1)	1661 (36.7)	1071 (23.7)	230 (5.1)	156 (3.5)	492 (10.9)	182 (4.0)	4520
Open	683 (9.9)	2295 (33.1)	1647 (23.8)	377 (5.4)	622 (9.0)	884 (12.8)	425 (6.1)	6933
BIOLOGY								
Pre	162 (4.2)	789 (20.6)	1328 (34.7)	799 (20.9)	287 (7.5)	418 (10.9)	46 (1.2)	3829
Open	555 (5.7)	2001 (20.6)	3239 (34.4)	1607 (16.6)	886 (9.1)	1134 (11.7)	269 (2.8)	9691
BUSINESS								
Pre	1119 (13.5)	2443 (29.6)	2337 (28.3)	728 (8.8)	382 (4.6)	1107 (13.4)	149 (1.8)	8265
Open	4178 (16.1)	6422 (24.7)	6006 (23.1)	2197 (8.5)	2566 (9.9)	3889 (15.0)	728 (2.8)	25986
CHEMISTRY								
Pre	87 (5.0)	301 (17.3)	486 (28.0)	241 (13.9)	68 (3.9)	537 (30.9)	18 (1.0)	1738
Open	278 (8.0)	745 (21.5)	877 (25.3)	345 (10.0)	315 (9.1)	765 (22.1)	138 (4.0)	3463
EDUCATION								
Pre	20 (10.8)	91 (49.2)	61 (33.0)	2 (1.1)	2 (1.1)	8 (4.3)	1 (0.5)	185
Open	411 (28.4)	823 (56.8)	57 (3.9)	3 (0.2)	33 (2.3)	69 (4.8)	53 (3.7)	1449

a Rounding off may yield percents slightly different from 100%

(cont'd)

APPENDIX A (cont'd)

DEPARTMENT	A (%) (A, A-)	B (%) (B+,B,B-)	C(%) (C+,C,C-)	D (%) (D+,D,D-)	F (%) (F,WF,UF)	W (%) (W, WL)	INC (%)	TOTAL (100%) [a]
ELECTRICAL TECHNOLOGY								
Pre	547 (22.5)	806 (33.1)	650 (26.7)	133 (5.5)	25 (1.0)	237 (9.7)	35(1.4)	2433
Open	1176 (20.4)	1536 (26.6)	1315 (22.8)	349 (6.1)	276 (4.8)	763 (13.2)	352(6.1)	5767
ENGLISH								
Pre	740 (7.7)	3137 (32.8)	3634 (38.0)	395 (4.1)	199 (2.1)	969 (10.1)	482 (5.0)	9556
Open	1728 (6.7)	7237 (28.2)	7744 (30.2)	1112 (4.3)	2266 (8.8)	3744 (14.6)	1825 (7.1)	25656
HEALTH & PHYSICAL EDUCATION								
Pre	2934 (18.2)	6000 (37.2)	4822 (29.9)	688 (4.3)	538 (3.3)	950 (5.9)	198 (1.2)	16130
Open	5550 (15.1)	13031 (35.4)	7722 (21.0)	1257 (3.4)	3404 (9.3)	4099 (11.1)	1723 (4.7)	36786
HISTORY								
Pre	144 (5.0)	625 (21.6)	1008 (34.9)	332(11.5)	148(5.1)	515 (17.8)	120(4.1)	2892
Open	452 (3.9)	1830 (15.9)	2976 (25.9)	1725(15.0)	1637(14.3)	2093 (18.2)	762(6.6)	11475
LANGUAGES, CLASSICAL AND MODERN								
Pre	951 (13.1)	1763 (24.3)	2008 (27.7)	897(12.4)	324(4.5)	1171 (16.1)	148(2.0)	7262
Open	1617 (12.5)	2532 (19.5)	2367 (18.3)	1336(10.3)	1546(11.9)	3175 (24.5)	378(2.9)	12951
GEOLOGY								
Pre	(COURSES NOT OFFERED)							
Open	83 (17.0)	224 (45.8)	85 (17.4)	22(4.5)	22(4.5)	44 (9.0)	9(1.8)	489
MATHEMATICS (CREDITS)								
Pre	983 (13.9)	1637 (23.1)	1624 (22.9)	976(13.8)	445(6.3)	1177 (16.6)	241(3.4)	7083
Open	1891 (12.0)	2596 (16.5)	2680 (17.0)	2057(13.1)	2425(15.4)	3261 (20.7)	831(5.3)	15741
MECHANICAL TECHNOLOGY								
Pre	163 (12.5)	378 (29.0)	351 (26.9)	99(7.6)	32(2.5)	249 (19.1)	32(2.5)	1304
Open	806 (15.8)	1284 (25.1)	947 (18.5)	218(4.3)	414(8.1)	984 (19.3)	456(8.9)	5109

a Rounding off may yield percents slightly different from 100%

(cont'd)

APPENDIX A (cont'd)

DEPARTMENT	A (%) (A, A-)	B (%) (B+,B,B-)	C(%) (C+,C,C-)	D (%) (D+,D,D-)	F (%) (F,WF,UF)	W (%) (W,WL)	INC (%)	TOTAL (100%)[a]
MUSIC								
Pre	728 (16.1)	1661 (36.7)	1071 (23.7)	230 (5.1)	156 (3.5)	492(10.9)	182(4.0)	4520
Open	1049 (14.6)	1680 (23.4)	1328 (18.5)	479 (6.7)	921 (12.8)	1061(14.8)	665(9.3)	7183
NURSING								
Pre	60 (5.2)	315 (27.1)	434 (37.3)	174(15.0)	53 (4.6)	95(8.2)	31(2.7)	1162
Open	171 (5.4)	1055 (33.2)	1163 (36.7)	324(10.2)	177 (5.6)	269(8.5)	14(0.4)	3173
PHYSICS								
Pre	206 (10.0)	450 (21.8)	617 (2918)	218 (10.5)	81 (3.9)	458(21.1)	38(1.8)	2068
Open	535 (11.2)	1075 (22.4)	1231 (25.7)	354 (7.4)	355 (7.4)	971(20.2)	276(5.8)	4797
SOCIAL SCIENCE								
Pre	1116 (8.2)	3402 (24.9)	4805 (35.1)	1678 (12.3)	715 (5.2)	1525(11.1)	448(3.3)	13689
Open	2777 (9.6)	7842 (27.2)	7820 (27.1)	2495 (8.6)	2378 (8.2)	4205(14.6)	1336(4.6)	28853
SPEECH:CREDIT								
Pre	323 (7.7)	1555 (37.2)	1460 (34.9)	160 (3.8)	82 (2.0)	548(13.1)	50(1.2)	4178
Open	733 (8.4)	2611 (29.9)	2595 (29.8)	590 (6.8)	765 (8.8)	1204(13.8)	206(2.4)	8704
COLLEGE WIDE								
Pre	11011 (12.1)	27014 (29.7)	27767 (30.6)	7980 (8.8)	3693 (4.1)	10948(12.1)	2401(2.6)	90814
Open	24673 (11.5)	56819 (26.5)	51799 (24.2)	16847 (7.9)	21008 (9.8)	32614(15.2)	10446(4.9)	214206

[a] Rounding off may yield percents slightly different from 100%

APPENDIX B
EVENING SESSION

GRADE DISTRIBUTION OF CREDIT COURSES SHOWING FREQUENCIES AND PERCENTS FOR EACH DEPARTMENT AND TOTAL OF ALL DEPARTMENTS (COLLEGE-WIDE)
1968 - 1973

DEPARTMENT	A(%) (A,A-)	B (%) (B+,B,B-)	C(%) (C+,C,C-)	D(%) (D+,D,D-)	F(%) (F,WF,UF)	W (%) (W,WL)	INC (%)	TOTAL (100%)a
ART								
Pre	336 (17.9)	552 (29.5)	395 (21.1)	95 (5.1)	160 (8.5)	242 (12.9)	93 (5.0)	1873
Open	388 (16.9)	1012 (44.0)	296 (12.9)	87 (3.8)	177 (7.7)	227 (9.9)	114 (5.0)	2301
BIOLOGY								
Pre	39 (4.8)	146 (17.9)	226 (27.7)	142 (17.4)	92 (11.3)	120 (14.7)	52 (6.4)	817
Open	253 (9.5)	695 (26.2)	677 (25.5)	388 (14.6)	251 (9.5)	313 (11.8)	78 (2.9)	2655
BUSINESS								
Pre	2344 (16.5)	3746 (26.4)	3182 (22.5)	1048 (7.4)	642 (4.5)	2953 (20.8)	255 (1.8)	14170
Open	3306 (17.5)	5419 (28.8)	3613 (19.2)	1127 (6.0)	2257 (12.0)	2458 (13.0)	665 (3.5)	18845
CHEMISTRY								
Pre	12 (2.7)	49 (11.1)	87 (19.8)	44 (10.0)	86 (19.5)	147 (33.4)	15 (3.4)	440
Open	58 (10.2)	104 (18.3)	112 (19.7)	63 (11.1)	75 (13.2)	138 (24.3)	18 (3.2)	568
ELECTRICAL TECHNOLOGY								
Pre	207 (26.3)	194 (24.7)	140 (17.8)	36 (4.6)	23 (2.9)	166 (21.1)	20 (2.5)	786
Open	342 (24.5)	389 (27.9)	201 (14.4)	63 (4.5)	108 (7.7)	215 (15.4)	78 (5.6)	1396
ENGLISH								
Pre	380 (8.0)	1445 (30.6)	1553 (32.9)	267 (5.6)	210 (4.4)	662 (14.0)	209 (4.4)	4726
Open	1236 (13.7)	3137 (34.7)	2143 (23.7)	226 (2.5)	859 (9.5)	977 (10.8)	460 (5.1)	9038

a Rounding off may yield percents slightly different from 100%

APPENDIX B (Cont'd)

DEPARTMENT	A(%) (A,A-)	B(%) (B+,B,B-)	C(%) (C+,C,C-)	D(%) (D+,D,D-)	F(%) (F,WF,UF)	W(%) (W,WL)	INC (%)	TOTAL (100%) a
HEALTH & PHYSICAL EDUCATION								
Pre	475 (19.2)	776 (31.4)	630 (25.5)	141 (5.7)	122 (4.9)	283 (11.5)	43 (1 7)	2470
Open	1339 (22.7)	2180 (37.0)	864 (14.7)	128 (2.2)	538 (9.1)	617 (10.5)	223 (3.8)	5889
HISTORY								
Pre	101 (5.9)	360 (21.1)	445 (26.0)	199 (11.6)	179 (10.5)	336 (19.6)	90 (5.3)	1710
Open	205 (7.7)	524 (19.6)	608 (22.7)	299 (11.2)	396 (14.8)	471 (17.6)	176 (6.5)	2679
LANGUAGES, CLASSICAL AND MODERN								
Pre	305 (11.3)	489 (18.0)	553 (20.4)	220 (8.1)	307 (11.3)	745 (27.5)	91 (3.4)	2710
Open	702 (21.2)	685 (20.7)	501 (15.1)	253 (7.6)	388 (11.7)	682 (20.6)	102 (3.1)	3313
GEOLOGY								
Pre	(COURSES NOT OFFERED)							
Open	20 (26.0)	30 (39.0)	17 (22.1)	1 (1.3)	2 (2.6)	5 (6.5)	2 (2.6)	77
MATHEMATICS (CREDITS)								
Pre	505 (12.8)	767 (19.5)	724 (18.4)	400 (10.2)	606 (15.4)	816 (20.7)	115 (2.9)	3933
Open	871 (17.0)	933 (18.2)	864 (16.9)	480 (9.4)	828 (16.2)	947 (18.5)	196 (3.8)	5119
MECHANICAL TECHNOLOGY								
Pre	90 (21.2)	152 (35.8)	87 (20.5)	14 (3.3)	7 (1.7)	68 (16.0)	6 (1.4)	424
Open	188 (21.3)	218 (24.7)	158 (17.9)	39 (4.4)	91 (10.3)	131 (14.9)	55 (6.2)	880
MUSIC								
Pre	336 (17.9)	552 (29.5)	395 (21.1)	95 (5.1)	160 (8.5)	242 (12.9)	93 (5.0)	1873
Open	493 (25.1)	503 (25.7)	248 (12.6)	50 (2.5)	282 (14.4)	278 (14.2)	107 (5.5)	1961
NURSING								
Pre	(COURSES NOT OFFERED)							
Open	4 (6.6)	8 (13.1)	19 (31.1)	8 (13.1)	3 (4.9)	18 (29.5)	1 (1.6)	61

a Rounding off may yield percents slightly different from 100%

APPENDIX B (Cont'd)

DEPARTMENT	A(%) (A,A-)	B(%) (B+,B,B-)	C(%) (C+,C,C-)	D(%) (D+,D,D-)	F(%) (F,WF,UF)	W(%) (W,WL)	INC (%)	TOTAL (100%) a
PHYSICS								
Pre	51 (10.4)	78 (16.0)	132 (27.0)	52 (10.6)	39 (8.0)	114 (23.3)	23 (4.7)	489
Open	157 (16.7)	204 (21.7)	230 (24.4)	75 (8.0)	76 (8.1)	161 (17.1)	38 (4.0)	941
SOCIAL SCIENCE								
Pre	932 (8.4)	2545 (22.9)	3040 (27.3)	1193 (10.7)	913 (8.2)	1874 (16.8)	630 (5.7)	11127
Open	1672 (14.7)	3241 (28.6)	2506 (22.1)	769 (6.8)	1128 (9.9)	1314 (11.6)	713 (6.3)	11343
SPEECH (CREDIT)								
Pre	131 (9.7)	581 (42.9)	344 (25.4)	40 (3.0)	66 (4.9)	155 (11.4)	20 (1.5)	1337
Open	244 (11.9)	874 (42.5)	367 (17.8)	48 (2.3)	197 (9.6)	282 (13.7)	45 (2.2)	2057
COLLEGE WIDE								
Pre	6244 (12.8)	12432 (25.4)	11933 (24.4)	3985 (8.2)	3612 (7.4)	8923 (18.8)	1755 (3 5)	48885
Open	11478 (16.6)	20156 (29.3)	13424 (19.4)	4104 (5.9)	7656 (11.1)	9234 (13.3)	3071 (4 4)	69123

a Rounding off may yield percents slightly different from 100%

APPENDIX C

TOTAL: DAY AND EVENING SESSIONS COMBINED

GRADE DISTRIBUTION OF CREDIT COURSES SHOWING FREQUENCIES & PERCENTS FOR EACH DEPARTMENT AND TOTAL OF ALL DEPARTMENTS (COLLEGE-WIDE)

1968 - 1973

DEPARTMENT	A (%) (A, A-)	B (%) (B+,B,B-)	C (%) (C+,C,C-)	D (%) (D+,D,D-)	F (%) (F,WF,UF)	W (%) (W,WL)	INC (%)	TOTAL (100%)[a]
ART								
Pre	1064 (16.6)	2213 (34.6)	1466 (22.9)	325 (5.1)	316 (4.9)	734 (11.5)	275 (4.3)	6393
Open	1071 (11.6)	3307 (35.8)	1943 (21.0)	464 (5.0)	799 (8.7)	1111 (12.0)	539 (5.8)	9234
BIOLOGY								
Pre	201 (4.3)	935 (20.1)	1554 (33.4)	941 (20.3)	379 (8.2)	538 (11.6)	98 (2.1)	4646
Open	808 (6.5)	2696 (21.8)	3916 (31.7)	1995 (16.2)	1137 (9.2)	1447 (11.7)	347 (2.8)	12346
BUSINESS								
Pre	3463 (15.4)	6189 (27.6)	5519 (24.6)	1776 (7.9)	1024 (4.6)	4060 (18.1)	404 (1.8)	22435
Open	7484 (16.7)	11841 (26.4)	9619 (21.5)	3324 (7.4)	4823 (10.8)	6347 (14.2)	1393 (3.1)	44831
CHEMISTRY								
Pre	99 (4.5)	350 (16.1)	573 (26.3)	285 (13.1)	154 (7.1)	684 (31.4)	33 (1.5)	2178
Open	336 (8.3)	849 (21.1)	989 (24.5)	408 (10.1)	390 (9.7)	903 (22.4)	156 (3.9)	4031
EDUCATION								
Pre	20 (10.8)	91 (49.2)	61 (33.0)	2 (1.1)	2 (1.1)	8 (4.3)	1 (0.5)	185
Open	411 (28.4)	823 (56.8)	57 (3.9)	3 (0.2)	33 (2.3)	69 (4.8)	53 (3.7)	1449

[a] Rounding off may yield percents slightly different from 100%.

(cont'd)

APPENDIX C (cont'd)

DEPARTMENT	A (%) (A, A-)	B (%) (B+, B, B-)	C (%) (C+, C, C-)	D (%) (D+, D, D-)	F (%) (F, WF, UF)	W (%) (W, WL)	INC (%)	TOTAL (100%)
ELECTRICAL TECHNOLOGY								
Pre	754 (23.4)	1000 (31.1)	790 (24.5)	169 (5.3)	48 (1.5)	403 (12.5)	55 (1.7)	3219
Open	1518 (21.2)	1925 (26.9)	1516 (21.2)	412 (5.8)	384 (5.4)	978 (13.7)	430 (6.0)	7163
ENGLISH								
Pre	1120 (7.8)	4582 (32.1)	5187 (36.3)	662 (4.6)	409 (2.9)	1631 (11.4)	691 (4.8)	14282
Open	2964 (8.5)	10374 (29.9)	9887 (28.5)	1338 (3.9)	3125 (9.0)	4721 (13.6)	2285 (6.6)	34694
HEALTH & PHYSICAL EDUCATION								
Pre	3409 (18.3)	6776 (36.4)	5452 (29.3)	829 (4.5)	660 (3.5)	1233 (6.6)	241 (1.3)	18600
Open	6889 (16.1)	15211 (35.6)	8586 (20.1)	1385 (3.2)	3942 (9.2)	4716 (11.1)	1946 (4.6)	42675
HISTORY								
Pre	245 (5.3)	985 (21.4)	1453 (31.6)	531 (11.5)	327 (7.1)	851 (18.5)	210 (4.6)	4602
Open	657 (4.6)	2354 (16.6)	3584 (25.3)	2024 (14.3)	2033 (14.4)	2564 (18.1)	938 (6.6)	14154
LANGUAGES, CLASSICAL AND MODERN								
Pre	1256 (12.6)	2252 (22.6)	2561 (25.7)	1117 (11.2)	631 (6.3)	1916 (19.2)	239 (2.4)	9972
Open	2319 (14.3)	3217 (19.8)	2868 (17.6)	1589 (9.8)	1934 (11.9)	3857 (23.7)	480 (3.0)	16264
GEOLOGY								
Pre	(COURSES NOT OFFERED)							
Open	103 (18.2)	254 (44.9)	102 (18.0)	23 (4.1)	24 (4.2)	49 (8.7)	11 (1.9)	566
MATHEMATICS (CREDIT)								
Pre	1488 (13.5)	2404 (21.8)	2348 (21.3)	1376 (12.5)	1051 (9.5)	1993 (18.1)	356 (3.2)	11016
Open	2762 (13.2)	3529 (16.9)	3544 (17.0)	2537 (12.2)	3253 (15.6)	4208 (20.2)	1027 (4.9)	20860

[a] Rounding off may yield percents slightly different from 100%.

APPENDIX C (cont'd)

DEPARTMENT	A (%) (A, A-)	B (%) (B+,B,B-)	C (%) (C+,C,C-)	D (%) (D+,D,D-)	F (%) (F,WF,UF)	W (%) (W,WL)	INC (%)	TOTAL (100%) [a]
MECHANICAL TECHNOLOGY								
Pre	253 (14.6)	530 (30.7)	438 (25.3)	113 (6.5)	39 (2.3)	317 (18.3)	38 (2.2)	1728
Open	994 (16.6)	1502 (25.1)	1105 (18.4)	257 (4.3)	505 (8.4)	1115 (18.6)	511 (8.5)	5989
MUSIC								
Pre	1064 (16.6)	2213 (34.6)	1466 (22.9)	325 (5.1)	316 (4.9)	734 (11.5)	275 (4.3)	6393
Open	1542 (16.9)	2183 (23.9)	1576 (17.2)	529 (5.8)	1203 (13.2)	1339 (14.6)	772 (8.4)	9144
NURSING								
Pre	60 (5.2)	315 (27.1)	434 (37.3)	174 (15.0)	53 (4.6)	95 (8.2)	31 (2.7)	1162
Open	175 (5.4)	1063 (32.9)	1182 (36.5)	332 (10.3)	180 (5.6)	287 (8.9)	15 (0.5)	3234
PHYSICS								
Pre	257 (10.1)	528 (20.6)	749 (29.3)	270 (10.6)	120 (4.7)	572 (22.4)	61 (2.4)	2557
Open	692 (12.1)	1279 (22.3)	1461 (25.4)	429 (7.5)	431 (7.5)	1132 (19.7)	314 (5.5)	5738
SOCIAL SCIENCE								
Pre	2048 (8.3)	5947 (24.0)	7845 (31.6)	2871 (11.6)	1628 (6.6)	3399 (13.7)	1078 (4.3)	24816
Open	4449 (11.1)	11083 (27.6)	10326 (25.7)	3264 (8.1)	3506 (8.7)	5519 (13.7)	2049 (5.1)	40196
SPEECH & DRAMA (CREDIT)								
Pre	454 (8.1)	2136 (38.2)	1804 (32.3)	200 (3.6)	148 (2.6)	703 (12.6)	70 (1.3)	5515
Open	977 (9.1)	3485 (32.3)	2962 (27.5)	638 (5.9)	963 (8.9)	1486 (13.8)	251 (2.3)	10762
COLLEGE WIDE								
Pre	17255 (12.4)	39446 (28.2)	39700 (28.4)	11966 (8.6)	7305 (5.2)	19871 (14.2)	4156 (3.0)	139699
Open	36151 (12.7)	71975 (27.2)	65223 (23.0)	20951 (7.4)	28664 (10.1)	41848 (14.8)	13517 (4.8)	283329

[a] Rounding off may yield percents slightly different from 100%.

APPENDIX D

DAY SESSION

GRADE DISTRIBUTION OF NON-CREDIT COURSES SHOWING FREQUENCIES AND PERCENTS FOR EACH DEPARTMENT OFFERING REMEDIAL COURSES

1968 - 1973

DEPARTMENT	P (%)	F (%) (F,WF,UF)	H (%) (H,HP,HC)	W (%) (W,WL)	INC (%)	TOTAL (100%)[a]
BASIC EDUCATIONAL SKILLS (non-credit)						
Pre	797 (54.4)	265 (18.1)	136 (9.3)	201 (13.7)	66 (4.5)	1465
Open	8642 (61.7)	1584 (11.3)	2036 (14.5)	1458 (10.4)	289 (2.1)	14009
MATHETMATICS (NON-CREDIT)						
Pre	429 (57.3)	115 (15.4)	16 (2.1)	150 (20.0)	39 (5.2)	749
Open	2230 (50.2)	686 (15.5)	544 (12.3)	597 (13.4)	382 (8.6)	4439
SPEECH (NON-CREDIT)						
Pre	315 (77.6)	28 (6.9)	20 (4.9)	37 (9.1)	6 (1.5)	406
Open	926 (69.7)	86 (6.5)	141 (10.6)	161 (12.1)	14 (1.1)	1328
COLLEGE WIDE (TOTAL DEPARTMENTS ABOVE)						
Pre	1541 (59.0)	408 (15.6)	172 (6.7)	388 (14.9)	111 (3.8)	2620
Open	11798 (59.6)	2356 (11.8)	2721 (13.7)	2216 (11.2)	685 (3.4)	19776

[a] Rounding off may yield percents slightly different from 100%

APPENDIX E

EVENING SESSION

GRADE DISTRIBUTION OF NON-CREDIT COURSES SHOWING FREQUENCIES AND PERCENTS FOR EACH DEPARTMENT OFFERING REMEDIAL COURSES

1968 - 1973

DEPARTMENT	P (%)	F (%) (F,WF,UF)	H (%) (H,HP,HC)	W (%) (W,WL)	INC (%)	TOTAL (100%
BASIC EDUCATIONAL SKILLS						
Pre	1162 (58.9)	253 (12.8)	148 (7.5)	304 (15.4)	106 (5.4)	1973
Open	3564 (61.6)	964 (16.7)	811 (14.0)	366 (6.3)	81 (1.4)	5786
MATHEMATICS (NON-CREDIT)						
Pre	418 (61.7)	99 (14.5)	0 (0.0)	140 (20.7)	20 (3.0)	677
Open	812 (55.7)	423 (29.0)	17 (1.2)	174 (11.9)	31 (2.1)	1457
SPEECH (NON-CREDIT)						
Pre	75 (68.8)	5 (4.6)	2 (1.8)	24 (22.0)	3 (2.8)	109
Open	138 (69.0)	27 (13.5)	23 (11.5)	11 (5.5)	1 (0.5)	200
COLLEGE WIDE (TOTAL DEPARTMENTS ABOVE)						
Pre	1655 (59.9)	357 (12.9)	150 (5.4)	468 (17.0)	129 (4.7)	2759
Open	4514 (60.6)	1414 (19.0)	851 (11.4)	551 (7.4)	113 (1.5)	7443

a Rounding off may yield percents slightly different from 100%

APPENDIX F
TOTAL - DAY AND EVENING SESSIONS COMBINED

GRADE DISTRIBUTION OF NON CREDIT COURSES SHOWING FREQUENCIES & PERCENTS FOR EACH DEPARTMENT OFFERING REMEDIAL COURSES
1968 - 1973

DEPARTMENTS	P (%)	F (%) (F,WF,UF)	H (%) (H,HP,HC)	W (%) (W,WL)	INC (%)	TOTAL (100%)[a]
BASIC EDUCATIONAL SKILLS						
Pre	1959 (57.0)	518 (15.1)	284 (8.3)	505 (14.7)	172 (5.0)	3438
Open	12206 (61.7)	2548 (12.9)	2847 (14.4)	1824 (9.2)	370 (1.9)	19795
MATHEMATICS (NON-CREDIT)						
Pre	847 (59.4)	214 (15.0)	16 (1.1)	290 (20.3)	59 (4.1)	1426
Open	3042 (51.6)	1109 (18.8)	561 (9.5)	771 (13.1)	413 (7.0)	5896
SPEECH & DRAMA (NON-CREDIT)						
Pre	390 (75.7)	33 (6.4)	22 (4.3)	61 (11.8)	9 (1.7)	515
Open	1064 (69.6)	113 (7.4)	164 (10.7)	172 (11.3)	15 (1.0)	1528
COLLEGE WIDE (TOTAL DEPARTMENTS ABOVE)						
Pre	3196 (59.4)	765 (14.2)	322 (6.0)	856 (15.9)	240 (4.5)	5379
Open	16312 (59.9)	3770 (13.9)	3572 (13.1)	2767 (10.2)	798 (2.9)	27219

[a] Rounding off may yield percents slightly different from 100%.

APPENDIX G

A LONGITUDINAL COMPARISON OF FREQUENCY AND PERCENTAGES OF INCOMING FRESHMEN (1970-1974) BY HIGH SCHOOL AVERAGE CATEGORY AND SEMESTER OF ADMISSION[1]

Semester	High School Average (1)[a] 80% & Above	(2)[b] 75-79.9%	(3) 75% & Above (Regular)	(4) 70-74.9% (Level A)	(5) Below 70% (Level B)	(6) Unknown or Inapplicable	(7) Total (100%)
Fall '70			1083 (36.0)	1037 (34.5)	888 (29.5)	-	3008
Spring '71			128 (25.2)	179 (35.3)	200 (39.4)	-	507
Fall '71			1195 (41.2)	997 (34.4)	695 (24.0)	11 (0.3)	2898
Spring '72			139 (19.9)	156 (22.3)	404 (57.8)	0	699
Fall '72			1226 (38.2)	922 (38.7)	954 (29.7)	108 (3.4)	3210
Spring '73			313 (32.6)	267 (27.8)	381 (39.6)	-	961
Fall '73	583 (19.3)[a]	768 (25.5)[b]	1351 (44.7)[c]	893 (29.6)	658 (21.8)	119 (3.9)	3021
Spring '74	195 (20.1)[a]	220 (22.7)[b]	415 (42.8)[c]	235 (24.2)	317 (32.7)	3 (0.3)	970
Total	778 (5.1)[a]	998 (6.5)[b]	5850 (38.3)[c]	4686 (30.7)	4497 (29.4)	241 (1.6)	15274

[a] 80% and above category not reported till Fall '73

[b] 75-79.9% category not reported till Fall '73

[c] 75% and above category no longer reported in Form A. These data were computed by finding the sum of columns 1 and 2. (c=a + b)

[1] These data were extracted from QCC "Enrollment and Admissions" Reports (Form A) prepared by the Registrar.

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES AT QUEENSBOROUGH COMMUNITY COLLEGE FOR SPRING SEMESTERS: 1968-1974

OFFICE OF TESTING, EVALUATION AND EDUCATIONAL RESEARCH

QUEENSBOROUGH COMMUNITY COLLEGE

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OFFICE OF TESTING, EVALUATION AND EDUCATIONAL RESEARCH

QUEENSBOROUGH COMMUNITY COLLEGE
CITY UNIVERSITY OF NEW YORK

ABSTRACT

A Longitudinal Comparison of the Distribution of Grades at Queensborough Community College for Spring Semesters 1968-1974

An analysis of grade distributions for spring semesters 1968-1974 has revealed the following:

1. The percentages of F's during the Open Admissions period are considerably higher than during the pre-Open Admissions period.

2. There seems to be a linear downward trend in the percentages of F grades during Open Admissions from 1971-1974.

In analyzing these trends using the adaptation-level theory which holds that there is a tendency for faculty to adapt to the changing ability levels of students without an accompanying change in grade distributions, the following conclusions were reached:

A. Faculty at QCC seems to have generally maintained grading standards following the initiation of the Open Admissions program as evidenced by an increase in F grades.

B. Considering the downward trend of F's during the Open Admissions period (1971-1974) it seems that the faculty are slowly adapting their grade distributions to a lower ability student population and hence may possibly be lowering their grading standards.

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES AT QUEENSBOROUGH COMMUNITY COLLEGE FOR SPRING SEMESTERS: 1968-1974

The major purpose of this report was to present longitudinally the distributions of grades by semester from the pre-Open Admissions period to the present. Under the policy of Open Admissions at the City University of New York (initiated in Fall '70) all graduates of New York City high schools are guaranteed entrance to a CUNY college without regard to high school averages.

Monitoring the distribution of grades from the pre-Open Admissions period to the present taps only one important variable to compare academic performance from semester to semester. Important variables which would have an impact on grade distributions are changes in course content, grading standards, and curricular requirements. These variables have not been analyzed in this report. In addition, the personal attributes of teachers which also affect grading practices have not been considered. Since no data have been collected on these relevant variables it was not possible to determine with confidence the meaning of grade percentage differentials from 1968-1974.

It is hoped that the longitudinal data provided in this report will serve as a benchmark for comparisons when specific changes in teacher, student and course variables are considered.

THE DATA

Grade distribution data are presented from the Spring 1968 semester and for all subsequent spring semesters through 1974. Since Open Admissions began in Fall 1970, these data represent three pre-Open Admissions Spring semesters and four Open Admissions Spring semesters. Percentages are based on the total number of grades awarded each semester by Department and where appropriate by Division (Day or Evening).

Only Spring semesters were compared in this report because there may be differences in the academic quality of Fall and Spring semester students. It has been found that the student body at QCC is usually smaller in Spring semesters, compared to Fall enrollments. It may be that more low ability students drop out in Spring semesters than average and higher ability students. If this were the case the distribution of grades for Spring semesters may be different from Fall semesters. A longitudinal comparison of Fall semesters will

be presented in a subsequent report.

A distribution of grade percentages in the following tables is presented separately for the Day Division, Evening Division and the total College (Day & Evening combined) as well as by Departments. Tables 1-19 present longitudinally, grade distributions of A's, B's, C's, D's, F's, Withdrawals and Incompletes for credit bearing courses.[1] Tables 20-23 present F's, W's, H's, P's, and Incompletes for non-credit bearing courses.[1]

In order to make the longitudinal data uniform for all semesters considered in this report it was necessary to combine minus and plus grades for each semester because prior to the Fall '69 semester minus and plus grades were not awarded at QCC.

Grades for the College as a Whole by Division

Table 1 which summarizes all the departmental data on Tables 2-19 presents the percentages of grade distributions for all credit courses for Spring 1968-1974 semesters broken down by Day, Evening, and combined divisions. The total number of grades awarded range from 20,838 in Spring '68 to 41,133 in Spring '74.

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1. See the 74/75 QCC Catalog for an explanation of these grades (page 30)

Inspection of Table 1 shows that there is considerable fluctuation from semester to semester. In addition, because of the ipsative nature of the data, caution should be exercised in interpreting these percentages; that is, a change in the percentage of one grade necessitates a corresponding change in one or more other grades. With this in mind, some general trends will be noted.

Within the Day Division, over the seven semesters in question, the "C" grade seems to be decreasing linearly (33.9%) in 1968 to 22.6% in 1974) while the Withdrawal and Incomplete grades have increased. The range of F's extended from a low of 2% in Spring 1970 to a high of 12% in Spring 1971 with no apparent pattern when all semesters are considered. It is apparent however, that the percentages of F's during Open Admissions are considerably higher on the average than during the pre-Open Admissions period.

Table 1 also shows that the grade distribution for the Evening Division tends to be slightly different from that of Day Division. The grades given during the evening are slightly lower than during the day from '68-'70 and are just reversed for '71-'74. One interesting difference is that before Open

Admissions there were fewer B's and C's given in the evening than during the day. However, the semester after Open Admissions began, that relationship reversed itself. During the evening from 1971-1974 more A's and B's were given and fewer C's. The number of D's and F's given during the evening has corresponded fairly closely with the number given during the day over the seven semesters reported.

Since the number of grades has increased from 1968-1974 over twofold, comparisons should be made with caution in view of the doubling of the number of students, faculty, and courses, and hence the introduction of new variables.

Grades by Department for Credit & Non Credit Courses

Tables 2-19 present the corresponding data for credit courses by Department at QCC. It should be noted that the trends cited above, in Table 1, are generally but not always consistent with the data for each department considered separately.

Table 20 which summarizes all the Departmental data in tables 21-23, presents the percentages of grade distributions for all non-credit courses.

The total number of non-credit grades awarded ranged from 639 in Spring '68 to 3,112 in Spring '74.

It is difficult to make any general statements about these distributions for several reasons. The grade of "H" (holdover) was not used for the first two semesters studied (1968 and 1969). Because of the ipsative nature of the distributions, the omission of H grades would tend to inflate the other 4 categories over 5 semesters. In addition, there was a considerable increase in the student body in non-credit courses after Open Admissions was inititated. As can be seen, the actual number of grades has increased over fourfold from 1968 to 1974. With such a large increment in the number of students and its corresponding increase in the number of faculty and courses, new variables have been introduced and any comparison of percentages should be made with caution.

Finally, for the past four Spring semesters where the number of students and grades has remained fairly stable (although increasing slightly each term) one trend stands out rather sharply.

When low grades are considered, (D's and F's) there seems to be a downward trend from 1971-1974. Since percentages are ipsative there is a corresponding increase in higher grades (B's and A's).

Discussion

The results of this study confirm the results, in part, of a previous grade distribution study conducted by the Office of Testing, Evaluation, and Educational Research (1974) which has shown that the impact of larger numbers of low ability students entering QCC during the Open Admissions period was accompanied by a larger number and percentage of failing grades awarded. In this prior study grade distributions and percentages were based on dichotomized cumulative data for the pre and Open Admissions periods. The pre Open Admissions period consisted of cumulative data from Spring '68, Fall '68, Spring '69, Fall '69, and Spring '70 semesters. The Open Admissions period consisted of cumulative data from Fall '70, Spring '71, Fall '71, Spring '72, Fall '72, Spring '73, and Fall '73 semesters. Percentages of F grades in credit bearing courses increased from 5.2%

during the pre-Open Admissions period to 10.1% during the Open Admissions period. All other grade percentages changed less than 2%.

For non-credit courses in this prior study the impact was manifested by a doubling of holdover grades (6.0% to 13.1%). A holdover grade used in remedial English courses (BE-01 & BE-03) and remedial math courses (MA-00, MA-10, & MA-20) requires that students continue or repeat the course.

In the present study where only Spring semesters were considered there was no noticeable changes in the percentages of holdover grades for non-credit courses. However, for credit courses a doubling of F grades was confirmed. In addition a slight drop in C grades was found.

With the advent of the Open Admissions policy, larger numbers of students with lower high school averages have been admitted to QCC. (See Appendix A) The impact of this change in the academic preparation of many QCC students on the distribution of grades will now be discussed.

Goldman and Hewitt (1975) have attempted to explain grading practices not only by 'antecedent' factors consisting of student ability levels and work habits and 'consequences' consisting of effects of grades on student enrollment, major field-choice and faculty hiring or retention, but also by the effects of the adaptation-level phenomenon.

The adaptation-level theory holds that grading standards are partly determined by the ability level of the student population, and that there is a tendency for faculty to adapt or adjust to any change in the ability level of students without an accompanying change in their distribution of grades. Goldman and Hewitt contend that if a large group of lower ability students is admitted to a university i.e.,an Open Admissions program, and grades do not decline significantly, then it may be that the faculty has adapted to the academic level of the students and has, as a result lowered their grading standards. Goldman and Hewitt hypothesize that if grading standards are maintained, a large influx of low ability students

should be followed by a corresponding increase in low grades.

An examination of Table 1 reveals that, for QCC, the main impact on grades following Open Admissions was an increase in failing grades and a decrease in C grades. If Goldman and Hewitt are correct, the faculty at QCC seems to have generally maintained grading standards following the initiation of the Open Admissions policy. It is interesting to note however, that the percentage of F grades follow a linear downward trend from 1971-1974, that is the percentages of F grades is becoming lower since the advent of Open Admissions. This downward trend of F grades seems to support the notion that faculty are slowly adapting their grade distributions to their lower academic ability consitituency. If the percentages of F's continue to decline it is apparent that the grading distribution during Open Admissions will eventually equal the pre-Open Admissions period and hence indicates a possible lowering of grading standards.

This would provide some empirical evidence for the validity of the adaptation-level theory.

In summary, the grade distributions at QCC for the Spring semesters 1968-1974 have been presented. Hopefully, the reader will find them informative and useful.

In the future, grade distribution supplements will be issued for subsequent spring semesters so that the readers of this report can be kept up to date with respect to the grading practices at the College. Future studies may also be undertaken to try to isolate variables which may explain shifts in percentages of grades.

TABLE 1

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE (ALL DEPARTMENTS COMBINED)

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=	12923	18238	20710	28633	28713	30878	30627
A (A, A-)	12.1	13.0	13.2	10.7	12.2	12.9	14.1
B (B+, B, B-)	30.2	28.4	32.5	26.4	27.4	27.5	27.8
C (C+, C, C-)	33.9	32.1	27.7	24.6	25.3	24.0	22.6
D (D+, D, D-)	9.3	9.4	5.4	8.0	8.0	8.1	7.0
F (F, UF, WF)	4.3	4.6	2.0	12.0	9.0	7.1	6.5
WITHDRAWALS (W, WL)	7.8	10.1	15.5	15.0	14.0	14.9	15.8
INCOMPLETES	2.3	2.3	3.5	3.4	4.1	5.4	6.3
EVENING DIVISION							
N=	7915	9035	10651	9862	9293	10138	10506
A (A, A-)	14.6	12.4	13.7	15.8	18.0	19.4	18.4
B (B+, B, B-)	27.4	24.0	28.4	32.1	29.7	30.7	30.0
C (C+, C, C-)	24.9	26.7	22.6	20.7	20.0	18.0	17.7
D (D+, D, D-)	9.4	9.4	5.4	6.3	6.0	6.0	5.2
F (F, UF, WF)	6.0	8.2	4.3	12.0	11.0	8.6	8.4
WITHDRAWALS (W, WL)	14.9	16.0	21.7	9.8	12.1	12.8	13.7
INCOMPLETES	2.8	3.4	3.9	3.2	3.2	4.5	6.7
TOTAL (DAY & EVENING COMBINED)							
N=	20838	27273	31361	38495	38006	41016	41133
A (A, A-)	13.1	12.8	13.4	12.3	13.6	14.5	15.2
B (B+, B, B-)	29.1	27.0	31.1	27.5	27.9	28.3	28.3
C (C+, C, C-)	30.5	30.4	26.0	23.5	24.0	22.6	21.4
D (D+, D, D-)	9.4	9.4	5.4	7.6	7.5	7.5	6.5
F (F, UF, WF)	4.9	5.8	2.8	11.9	9.5	7.5	7.0
WITHDRAWALS (W, WL)	10.5	12.0	17.6	13.7	13.5	14.4	15.3
INCOMPLETES	2.5	2.7	3.7	3.4	3.9	5.1	6.4

TABLE 2

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMMUNITY COLLEGE IN THE ART AND DESIGN DEPARTMENT

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=	594	849	1100	864	916	1044	945
A (A, A-)	20.5	15.5	19.5	8.3	10.3	12.7	15.9
B (B+, B, B-)	36.5	36.3	36.1	36.6	35.5	36.9	35.0
C (C+, C, C-)	26.1	27.3	16.9	25.3	22.8	19.6	17.5
D (D+, D, D-)	5.9	6.0	4.3	4.7	4.8	6.6	3.3
F (F, UF, WF)	.7	4.0	4.8	10.3	8.4	8.0	9.1
WITHDRAWALS (W, WL)	7.2	7.9	13.1	9.6	12.7	10.9	14.2
INCOMPLETES	2.2	2.9	5.4	5.1	5.6	5.3	5.1
EVENING DIVISION							
N=	292	350	418	453	233	261	291
A (A, A-)	22.9	15.7	18.7	10.6	22.7	19.5	21.6
B (B+, B, B-)	32.2	26.0	32.3	33.6	33.9	37.5	40.2
C (C+, C, C-)	23.6	27.7	13.2	10.2	14.6	12.6	8.9
D (D+, D, D-)	4.8	8.0	1.9	2.0	3.9	3.1	2.1
F (F, UF, WF)	3.8	11.1	9.1	6.0	9.4	9.2	7.6
WITHDRAWALS (W, WL)	9.9	6.3	15.8	5.5	9.9	15.7	14.4
INCOMPLETES	2.7	5.1	9.1	2.2	5.6	2.3	5.2
TOTAL (DAY & EVENING COMBINED)							
N=	886	1199	1518	1317	1149	1305	1236
A (A, A-)	21.3	15.6	19.2	9.1	12.8	14.1	17.2
B (B+, B, B-)	35.1	33.3	35.0	45.9	35.2	37.0	36.2
C (C+, C, C-)	25.8	27.4	15.9	20.1	21.1	18.2	15.5
D (D+, D, D-)	5.5	6.6	3.6	3.8	4.6	5.9	3.0
F (F, UF, WF)	1.7	6.1	6.0	8.8	8.6	8.2	8.7
WITHDRAWALS (W, WL)	8.1	7.4	13.8	8.2	12.1	11.9	14.2
INCOMPLETES	2.4	3.6	6.4	4.1	5.6	4.7	5.1

TABLE 3

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE BIOLOGY DEPARTMENT

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=		840	1042	1194	1381	1458	1627
A (A, A-)	*	3.3	7.2	5.5	6.1	5.9	7.1
B (B+, B, B-)	*	13.8	28.7	18.6	21.2	20.5	23.6
C (C+, C, C-)	*	35.4	36.9	37.3	35.1	31.0	32.7
D (D+, D, D-)	*	27.1	12.6	14.3	16.6	21.3	15.6
F (F, UF, WF)	*	10.1	1.3	9.6	8.8	8.8	4.1
WITHDRAWALS (W, WL)	*	8.6	12.0	13.1	10.1	10.2	13.7
INCOMPLETES	*	1.7	1.3	1.5	2.1	2.3	3.3
EVENING DIVISION							
N=		167	292	275	376	492	586
A (A, A-)	*	4.8	5.1	8.7	8.0	11.2	11.8
B (B+, B, B-)	*	13.2	17.8	29.1	25.3	26.8	25.4
C (C+, C, C-)	*	21.6	34.2	22.5	27.4	28.5	24.9
D (D+, D, D-)	*	29.3	9.9	14.9	14.4	14.4	15.2
F (F, UF, WF)	*	13.8	4.5	11.3	12.0	3.7	3.1
WITHDRAWALS (W, WL)	*	7.2	21.2	11.3	9.6	12.4	14.7
INCOMPLETES	*	10.2	7.2	2.2	3.5	3.0	4.9
TOTAL (DAY & EVENING COMBINED)							
N=		1007	1334	1469	1757	1950	2213
A (A, A-)	*	3.6	6.7	6.1	6.5	7.2	8.3
B (B+, B, B-)	*	13.7	26.3	20.6	22.1	22.1	24.1
C (C+, C, C-)	*	33.1	36.3	34.5	33.5	30.4	30.6
D (D+, D, D-)	*	27.5	12.0	14.4	16.1	19.5	15.4
F (F, UF, WF)	*	10.7	2.0	9.9	9.5	7.5	3.8
WITHDRAWALS (W, WL)	*	8.3	14.0	12.8	10.0	10.8	14.0
INCOMPLETES	*	3.1	2.6	1.6	2.4	2.5	3.7

* Biology was not a separate department in Spring 1968.

Table 4

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE BUSINESS DEPARTMENT

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=	1586	1467	1881	3082	3506	3976	4332
A (A, A-)	10.8	15.4	13.2	14.5	18.1	17.1	17.4
B (B+, B, B-)	21.3	31.4	33.5	26.7	26.3	25.6	25.4
C (C+, C, C-)	33.5	27.3	26.0	23.7	23.2	23.5	22.5
D (D+, D, D-)	11.2	10.1	4.4	8.8	8.6	8.5	7.7
F (F, UF, WF)	9.1	4.5	1.0	10.1	8.3	7.0	6.7
WITHDRAWALS (W, WL)	10.7	10.3	19.9	14.0	13.3	15.3	16.7
INCOMPLETES	3.3	1.0	2.0	2.3	2.2	2.9	3.6
EVENING DIVISION							
N=	2642	2621	2867	2491	2559	2863	3146
A (A, A-)	17.5	18.0	16.6	17.0	19.0	20.8	20.0
B (B+, B, B-)	28.2	25.6	29.3	31.0	29.2	31.2	29.9
C (C+, C, C-)	22.4	24.3	21.0	20.7	20.0	15.7	17.1
D (D+, D, D-)	8.8	6.8	6.0	6.5	5.8	5.7	5.7
F (F, UF, WF)	5.5	4.2	1.4	12.8	11.8	11.4	11.1
WITHDRAWALS (W, WL)	15.8	19.4	24.1	9.2	11.7	11.6	12.7
INCOMPLETES	1.8	1.8	1.5	2.8	2.6	3.7	3.6
TOTAL (DAY & EVENING COMBINED)							
N=	4228	4088	4748	5573	6065	6839	7478
A (A, A-)	15.0	17.1	15.2	15.6	18.5	18.7	18.5
B (B+, B, B-)	25.6	27.7	31.0	28.6	27.5	27.9	27.3
C (C+, C, C-)	26.6	25.3	23.0	22.4	21.8	20.2	20.2
D (D+, D, D-)	9.7	8.0	5.4	7.8	7.4	7.3	6.9
F (F, UF, WF)	6.8	4.3	1.2	11.3	9.7	8.8	8.5
WITHDRAWALS (W, WL)	13.9	16.1	22.5	11.8	12.6	13.7	15.0
INCOMPLETES	2.4	1.5	1.7	2.5	2.4	3.3	3.6

TABLE 5

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE CHEMISTRY DEPARTMENT

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=		389	355	344	412	508	579
A (A, A-)	*	5.7	6.8	5.8	9.5	10.2	12.4
B (B+, B, B-)	*	19.3	18.6	23.0	21.4	25.8	23.8
C (C+, C, C-)	*	38.6	26.5	27.0	27.9	26.6	20.2
D (D+, D, D-)	*	13.4	10.4	10.5	10.9	8.3	8.1
F (F, UF, WF)	*	3.3	0.8	11.6	7.3	5.1	5.5
WITHDRAWALS (W, WL)	*	18.8	36.1	21.8	19.4	19.9	21.8
INCOMPLETES	*	1.0	0.8	0.3	3.6	4.1	8.1
EVENING DIVISION							
N=		75	124	102	96	83	74
A (A, A-)	*	1.3	3.2	7.8	14.6	12.0	9.5
B (B+, B, B-)	*	21.3	12.1	19.6	24.0	22.9	21.6
C (C+, C, C-)	*	33.3	21.0	17.6	17.7	19.3	28.4
D (D+, D, D-)	*	6.7	14.5	16.7	5.2	8.4	4.1
F (F, UF, WF)	*	4.0	4.8	14.7	9.4	8.4	14.9
WITHDRAWALS (W, WL)	*	29.3	43.5	21.6	27.1	21.7	17.6
INCOMPLETES	*	4.0	0.8	2.0	2.1	7.2	4.1
TOTAL (DAY & EVENING COMBINED)							
N=		464	479	446	508	591	653
A (A, A-)	*	5.0	5.8	6.3	10.4	10.5	12.1
B (B+, B, B-)	*	19.6	16.9	22.2	21.9	25.4	23.5
C (C+, C, C-)	*	37.7	25.1	24.9	26.0	25.5	21.1
D (D+, D, D-)	*	12.3	11.5	11.9	9.8	8.3	7.6
F (F, UF, WF)	*	3.4	1.9	12.3	7.7	5.6	6.6
WITHDRAWALS (W, WL)	*	20.5	38.0	21.7	20.9	20.1	21.3
INCOMPLETES	*	1.5	0.8	0.7	3.3	4.6	7.6

* Chemistry was not a separate department in Spring 1968.

TABLE 6

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE EDUCATION COURSES

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=	*	63	*	322	224	209	173
A (A, A-)	*	7.9	*	35.7	24.1	36.4	26.0
B (B+, B, B-)	*	60.3	*	53.4	62.5	51.7	57.8
C (C+, C, C-)	*	28.6	*	0.9	4.9	2.4	0.0
D (D+, D, D-)	*	0.0	*	0.6	0.4	0.0	0.0
F (F, UF, WF)	*	3.2	*	3.7	1.3	0.5	2.9
WITHDRAWALS (W, WL)	*	0.0	*	3.7	3.6	3.3	9.2
INCOMPLETES	*	0.0	*	1.9	3.1	5.7	4.0
EVENING DIVISION							
N=	There were no Education courses taught during the evening						
A (A, A-)							
B (B+, B, B-)							
C (C+, C, C-)							
D (D+, D, D-)							
F (F, UF, WF)							
WITHDRAWALS (W, WL)							
INCOMPLETES							
TOTAL (DAY & EVENING COMBINED)							
N=	*	63	*	322	224	209	173
A (A, A-)	*	7.9	*	35.7	24.1	36.4	26.0
B (B+, B, B-)	*	60.3	*	53.4	62.5	51.7	57.8
C (C+, C, C-)	*	28.6	*	0.9	4.9	2.4	0.0
D (D+, D, D-)	*	0.0	*	0.6	0.4	0.0	0.0
F (F, UF, WF)	*	3.2	*	3.7	1.3	0.5	2.9
WITHDRAWALS (W, WL)	*	0.0	*	3.7	3.6	3.3	9.2
INCOMPLETES	*	0.0	*	1.9	3.1	5.7	4.0

*No data available.

TABLE 7

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE ELECTRICAL TECHNOLOGY DEPARTMENT

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=	376	470	581	655	714	944	1030
A (A, A-)	21.3	23.2	21.2	20.2	20.6	21.7	23.2
B (B+, B, B-)	30.1	30.6	41.5	28.7	28.0	29.0	30.4
C (C+, C, C-)	32.7	25.5	26.5	25.8	25.8	21.4	21.0
D (D+, D, D-)	9.3	8.1	0.3	6.4	7.1	5.8	4.3
F (F, UF, WF)	1.3	1.1	0.0	5.5	4.1	2.1	1.3
WITHDRAWALS (W, WL)	4.3	9.8	9.5	11.9	10.1	12.2	11.3
INCOMPLETES	1.1	1.7	1.0	1.5	4.3	7.7	8.6
EVENING DIVISION							
N=	135	138	165	191	220	177	216
A (A, A-)	23.0	29.7	30.3	26.7	21.4	29.9	27.8
B (B+, B, B-)	24.4	28.3	29.1	32.5	34.5	22.6	18.5
C (C+, C, C-)	20.7	13.8	9.7	11.0	15.5	14.1	15.3
D (D+, D, D-)	6.7	8.0	2.4	3.1	6.8	4.0	3.2
F (F, UF, WF)	7.4	3.6	0.0	9.9	5.9	5.1	6.5
WITHDRAWALS (W, WL)	17.8	12.3	28.5	13.1	10.9	18.6	15.7
INCOMPLETES	0.0	4.3	0.0	3.7	5.0	5.6	13.0
TOTAL (DAY & EVENING COMBINED)							
N=	511	608	746	846	934	1121	1246
A (A, A-)	21.7	24.7	23.2	21.6	20.8	23.0	24.0
B (B+, B, B-)	28.6	30.1	38.7	29.6	29.6	28.0	28.3
C (C+, C, C-)	29.5	22.9	22.8	22.5	23.3	20.2	20.0
D (D+, D, D-)	8.6	8.1	0.8	5.7	7.1	5.5	4.1
F (F, UF, WF)	2.9	1.6	0.0	6.5	4.5	2.6	2.2
WITHDRAWALS (W, WL)	7.8	10.4	13.7	12.2	10.3	13.2	12.0
INCOMPLETES	0.8	2.3	0.8	2.0	4.5	7.4	9.4

TABLE 8

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE ENGLISH DEPARTMENT

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=	1833	2237	2632	3582	3229	3573	3465
A (A, A-)	6.3	10.6	6.1	7.4	7.3	6.4	7.4
B (B+, B, B-)	30.9	36.2	34.5	29.7	29.1	27.9	28.5
C (C+, C, C-)	44.7	34.5	32.6	28.9	30.8	30.8	30.3
D (D+, D, D-)	5.8	2.9	2.1	4.7	5.0	5.1	3.5
F (F, UF, WF)	2.1	2.5	.9	10.3	7.9	6.2	6.2
WITHDRAWALS (W, WL)	6.8	8.5	16.2	13.9	13.2	15.6	15.1
INCOMPLETES	3.4	4.7	7.5	5.1	6.8	7.9	8.9
EVENING DIVISION							
N=	783	815	1126	1329	1178	1268	1285
A (A, A-)	8.3	7.1	8.2	14.3	15.1	17.1	14.2
B (B+, B, B-)	31.0	26.6	34.1	36.5	35.9	34.5	35.5
C (C+, C, C-)	32.7	37.1	31.1	24.9	23.8	22.8	19.5
D (D+, D, D-)	9.2	7.9	3.0	3.0	2.5	2.8	2.9
F (F, UF, WF)	4.3	2.9	3.1	10.5	10.6	6.4	8.5
WITHDRAWALS (W, WL)	11.2	13.6	13.9	7.7	9.0	10.6	11.8
INCOMPLETES	3.2	4.8	6.7	3.2	3.1	5.8	7.7
TOTAL (DAY & EVENING COMBINED)							
N=	2616	3052	3758	4911	4407	4841	4750
A (A, A-)	6.9	9.7	6.7	9.3	9.4	9.2	9.3
B (B+, B, B-)	31.0	33.7	34.4	31.6	30.9	29.6	30.4
C (C+, C, C-)	41.1	35.2	32.1	27.8	28.9	28.7	27.4
D (D+, D, D-)	6.8	4.2	2.4	4.2	4.3	4.5	3.4
F (F, UF, WF)	2.8	2.6	1.6	10.4	8.6	6.3	6.8
WITHDRAWALS (W, WL)	8.1	9.9	15.5	12.2	12.0	14.3	14.2
INCOMPLETES	3.3	4.8	7.2	4.6	5.8	7.4	8.6

TABLE 9

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE GEOLOGY COURSES

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=					58	128	116
A (A, A-)	*	*	*	**	6.9	11.7	20.7
B (B+, B, B-)	*	*	*	**	74.1	43.0	36.2
C (C+, C, C-)	*	*	*	**	8.6	27.3	15.5
D (D+, D, D-)	*	*	*	**	0.0	7.8	5.2
F (F, UF, WF)	*	*	*	**	0.0	2.3	6.0
WITHDRAWALS (W, WL)	*	*	*	**	10.3	7.8	8.6
INCOMPLETES	*	*	*	**	0.0	0.0	7.8
EVENING DIVISION							
N=					18	18	25
A (A, A-)	*	*	*	**	27.8	33.3	8.0
B (B+, B, B-)	*	*	*	**	38.9	22.2	44.0
C (C+, C, C-)	*	*	*	**	27.8	22.2	24.0
D (D+, D, D-)	*	*	*	**	0.0	0.0	0.0
F (F, UF, WF)	*	*	*	**	0.0	11.1	8.0
WITHDRAWALS (W, WL)	*	*	*	**	5.6	0.0	12.0
INCOMPLETES	*	*	*	**	0.0	11.1	4.0
TOTAL (DAY & EVENING COMBINED)							
N=					76	146	141
A (A, A-)	*	*	*	**	11.8	14.4	18.4
B (B+, B, B-)	*	*	*	**	65.8	40.4	37.6
C (C+, C, C-)	*	*	*	**	13.2	26.7	17.0
D (D+, D, D-)	*	*	*	**	0.0	6.8	4.3
F (F, UF, WF)	*	*	*	**	0.0	3.4	6.4
WITHDRAWALS (W, WL)	*	*	*	**	9.2	6.8	9.2
INCOMPLETES	*	*	*	**	0.0	1.4	7.1

* Geology courses not offered in Spring 1968 - 1970.

** Geology courses taught under Biology code - data is combined with Biology department.

TABLE 10

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE HEALTH, PHYSICAL EDUCATION,& DANCE DEP'T

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=	2340	3160	3092	5115	4792	5099	4774
A (A, A-)	15.1	19.6	20.9	13.4	15.9	18.4	20.2
B (B+, B, B-)	37.0	32.8	42.4	34.1	35.8	36.0	36.9
C (C+, C, C-)	33.8	33.2	27.7	23.1	22.0	19.6	16.8
D (D+, D, D-)	5.6	4.4	3.0	3.9	3.2	2.6	1.9
F (F, UF, WF)	2.4	2.6	3.3	11.8	7.0	5.6	6.4
WITHDRAWALS (W, WL)	5.6	6.2	1.2	10.5	11.5	12.3	13.3
INCOMPLETES	0.5	1.2	1.6	3.2	4.5	5.6	4.5
EVENING DIVISION							
N=	348	460	598	887	741	1089	961
A (A, A-)	21.8	16.3	21.6	19.5	25.6	23.7	18.2
B (B+, B, B-)	31.9	32.2	36.6	38.0	33.5	39.8	39.8
C (C+, C, C-)	22.1	31.5	22.1	17.0	17.0	12.2	14.2
D (D+, D, D-)	9.5	5.7	3.5	3.6	2.2	2.0	1.0
F (F, UF, WF)	4.0	5.7	3.3	10.8	7.6	8.6	5.2
WITHDRAWALS (W, WL)	10.1	7.4	11.0	8.7	13.0	10.5	11.9
INCOMPLETES	0.6	1.3	1.8	2.4	1.2	3.2	9.8
TOTAL (DAY & EVENING COMBINED)							
N=	2688	3620	3690	6002	5533	6188	5735
A (A, A-)	16.0	19.2	21.0	14.3	17.2	19.3	19.9
B (B+, B, B-)	36.3	32.8	41.5	34.7	35.5	36.7	37.3
C (C+, C, C-)	32.3	33.0	26.7	22.2	21.3	18.3	16.3
D (D+, D, D-)	6.1	4.5	3.1	3.8	3.1	2.5	1.7
F (F, UF, WF)	2.6	3.0	3.3	11.7	7.1	6.2	6.2
WITHDRAWALS (W, WL)	6.1	6.3	2.8	10.2	11.7	11.9	13.0
INCOMPLETES	0.5	1.2	1.6	3.1	4.1	5.1	5.4

TABLE 11

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE HISTORY DEPARTMENT

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=			1403	1907	1568	1567	1379
A (A, A-)	*	*	7.0	5.0	4.4	3.1	5.3
B (B+, B, B-)	*	*	24.1	16.9	19.3	15.0	16.6
C (C+, C, C-)	*	*	35.6	26.6	28.1	25.0	22.8
D (D+, D, D-)	*	*	7.3	12.8	13.5	17.2	15.3
F (F, UF, WF)	*	*	1.7	16.6	12.2	13.8	11.3
WITHDRAWALS (W, WL)	*	*	20.3	16.5	17.3	19.9	20.7
INCOMPLETES	*	*	4.1	5.5	5.2	6.1	8.0
EVENING DIVISION							
N=			689	398	349	335	363
A (A, A-)	*	*	8.1	7.0	8.0	8.4	13.0
B (B+, B, B-)	*	*	23.5	23.9	20.3	20.0	21.0
C (C+, C, C-)	*	*	27.0	25.9	21.5	26.0	19.1
D (D+, D, D-)	*	*	8.0	10.1	13.2	11.9	4.4
F (F, UF, WF)	*	*	7.5	13.3	14.0	10.4	10.2
WITHDRAWALS (W, WL)	*	*	20.3	15.3	16.0	16.4	19.3
INCOMPLETES	*	*	5.5	4.5	6.9	6.9	13.0
TOTAL (DAY & EVENING COMBINED)							
N=			2092	2305	1917	1902	1741
A (A, A-)	*	*	7.4	5.3	5.0	4.0	6.9
B (B+, B, B-)	*	*	23.9	18.1	19.5	15.9	17.5
C (C+, C, C-)	*	*	32.7	26.5	26.9	25.1	22.0
D (D+, D, D-)	*	*	7.5	12.4	13.5	16.2	13.0
F (F, UF, WF)	*	*	3.6	16.1	12.6	13.2	11.1
WITHDRAWALS (W, WL)	*	*	20.3	16.3	17.1	19.3	20.4
INCOMPLETES	*	*	4.5	5.3	5.5	6.3	9.1

* Data not available (History was part of the Social Science Dep't)

TABLE 12

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE CLASSICAL & MODERN LANGUAGES DEPARTMENT

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=	1097	1433	1507	1900	1623	1675	1526
A (A, A-)	11.9	13.2	16.7	6.7	14.4	17.8	19.5
B (B+, B, B-)	26.0	21.8	28.1	20.6	20.1	21.8	21.5
C (C+, C, C-)	28.6	28.7	25.9	19.7	19.9	19.1	15.4
D (D+, D, D-)	16.0	13.7	6.5	11.9	10.8	8.0	9.1
F (F, UF, WF)	6.6	4.2	0.7	13.3	10.5	9.2	8.5
WITHDRAWALS (W, WL)	9.3	16.2	19.4	25.2	21.4	20.4	20.7
INCOMPLETES	1.6	2.2	2.7	2.5	2.8	3.6	5.2
EVENING DIVISION							
N=	360	495	589	486	436	406	459
A (A, A-)	10.6	9.7	14.6	20.2	24.8	23.4	25.3
B (B+, B, B-)	16.1	12.9	23.6	25.3	17.9	22.7	23.7
C (C+, C, C-)	21.1	23.6	15.8	16.7	17.9	11.8	13.9
D (D+, D, D-)	10.0	9.5	5.3	6.8	8.5	8.4	3.7
F (F, UF, WF)	14.7	15.6	3.7	15.6	11.0	9.6	6.3
WITHDRAWALS (W, WL)	23.1	24.8	35.7	11.9	16.1	21.4	22.2
INCOMPLETES	4.4	3.8	1.4	3.5	3.9	2.7	4.6
TOTAL (DAY & EVENING COMBINED)							
N=	1457	1928	2096	2386	2059	2081	1985
A (A, A-)	11.5	12.3	16.1	9.5	16.6	18.9	20.9
B (B+, B, B-)	23.5	19.6	26.9	21.6	19.7	22.0	22.0
C (C+, C, C-)	26.8	27.4	23.1	19.1	19.5	17.7	15.1
D (D+, D, D-)	14.6	12.7	6.2	10.9	10.3	8.1	7.9
F (F, UF, WF)	8.6	7.1	1.6	13.7	10.6	9.3	8.0
WITHDRAWALS (W, WL)	12.7	18.4	24.0	22.5	20.3	20.6	21.1
INCOMPLETES	2.3	2.6	2.3	2.7	3.0	3.5	5.1

TABLE 13

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE MATHEMATICS DEPARTMENT

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=	1288	1451	1656	2281	2104	1971	2119
A (A, A-)	13.7	15.2	15.2	10.2	13.3	15.5	17.4
B (B+, B, B-)	23.4	24.5	20.4	15.4	17.3	16.3	18.0
C (C+, C, C-)	26.2	23.2	22.0	18.7	18.5	16.1	15.3
D (D+, D, D-)	14.9	14.0	9.4	13.2	12.8	11.6	11.0
F (F, UF, WF)	8.1	8.3	1.1	20.6	15.2	12.6	7.4
WITHDRAWALS (W, WL)	9.4	12.1	27.2	18.6	17.9	21.5	21.3
INCOMPLETES	4.3	2.7	4.9	3.2	5.0	6.4	9.7
EVENING DIVISION							
N=	585	785	953	743	722	700	647
A (A, A-)	13.5	11.0	12.7	19.1	18.0	20.7	19.8
B (B+, B, B-)	19.7	18.5	19.4	19.9	19.9	19.3	21.0
C (C+, C, C-)	20.0	19.0	17.1	19.8	17.3	19.3	15.9
D (D+, D, D-)	12.5	11.2	6.3	8.9	10.0	9.4	8.7
F (F, UF, WF)	13.0	24.7	12.2	13.5	15.5	12.4	10.2
WITHDRAWALS (W, WL)	18.5	14.4	28.9	15.5	17.9	15.1	16.4
INCOMPLETES	2.9	1.3	3.5	3.4	1.4	3.7	8.0
TOTAL (DAY & EVENING COMBINED)							
N=	1873	2236	2609	3024	2826	2671	2766
A (A, A-)	13.6	13.7	14.3	12.4	14.5	16.8	17.9
B (B+, B, B-)	22.3	22.4	20.0	16.5	18.0	17.1	18.7
C (C+, C, C-)	24.2	21.7	20.2	19.0	18.2	16.9	15.4
D (D+, D, D-)	14.1	13.0	8.2	12.1	12.1	11.0	10.4
F (F, UF, WF)	9.6	14.0	5.1	18.9	15.3	12.5	8.0
WITHDRAWALS (W, WL)	12.2	12.9	27.8	17.8	17.9	19.8	20.2
INCOMPLETES	3.9	2.2	4.4	3.3	4.1	5.7	9.3

TABLE 14

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE MECHANICAL TECHNOLOGY DEPARTMENT

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=	209	288	318	523	553	806	903
A (A, A-)	16.7	9.0	12.6	10.3	23.0	20.1	15.4
B (B+, B, B-)	32.1	24.0	30.2	23.3	25.5	32.9	27.1
C (C+, C, C-)	32.5	35.1	21.1	14.1	14.8	18.6	26.4
D (D+, D, D-)	7.2	10.8	6.6	4.6	5.1	6.0	4.0
F (F, UF, WF)	1.0	4.5	0.6	17.4	5.6	2.7	2.5
WITHDRAWALS (W, WL)	7.7	15.6	27.0	26.0	19.3	13.0	11.3
INCOMPLETES	2.9	1.0	1.9	4.2	6.7	6.7	13.2
EVENING DIVISION							
N=	60	76	92	121	110	143	160
A (A, A-)	16.7	23.7	21.7	17.4	26.4	20.3	17.5
B (B+, B, B-)	33.3	40.8	31.5	33.1	26.4	24.5	27.5
C (C+, C, C-)	33.3	25.0	20.7	13.2	19.1	23.1	27.5
D (D+, D, D-)	6.7	0.0	4.3	5.0	4.5	4.9	4.4
F (F, UF, WF)	0.0	5.3	1.1	10.7	15.5	7.0	1.9
WITHDRAWALS (W, WL)	8.3	3.9	19.6	17.4	8.2	16.8	8.8
INCOMPLETES	1.7	1.3	1.1	3.3	0.0	3.5	12.5
TOTAL (DAY & EVENING COMBINED)							
N=	269	364	410	644	663	949	1063
A (A, A-)	16.7	12.1	14.6	11.6	23.5	20.1	15.7
B (B+, B, B-)	32.3	27.5	30.5	25.1	25.6	31.6	27.2
C (C+, C, C-)	32.7	33.0	21.0	13.9	15.5	19.3	26.5
D (D+, D, D-)	7.1	8.5	6.1	4.6	5.0	5.8	4.0
F (F, UF, WF)	0.7	4.7	0.7	16.1	7.2	3.4	2.4
WITHDRAWALS (W, WL)	7.8	13.2	25.4	24.3	17.5	13.6	10.9
INCOMPLETES	2.6	1.1	1.7	4.0	5.6	6.2	13.1

TABLE 15

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE MUSIC DEPARTMENT

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=	594	849	1100	1013	840	916	758
A (A, A-)	20.5	15.5	19.5	21.0	11.9	14.5	19.0
B (B+, B, B-)	36.5	36.3	36.1	17.9	22.7	27.0	24.8
C (C+, C, C-)	26.9	27.3	16.9	15.5	20.0	16.0	13.1
D (D+, D, D-)	5.9	6.0	4.3	5.9	8.6	6.1	4.4
F (F, UF, WF)	0.7	4.0	4.8	14.4	14.8	12.3	10.7
WITHDRAWALS (W, WL)	7.2	7.9	13.1	16.1	14.8	14.5	15.8
INCOMPLETES	2.2	2.9	5.4	9.2	7.3	9.5	12.3
EVENING DIVISION							
N=	292	350	418	212	293	332	287
A (A, A-)	22.9	15.7	18.7	23.6	21.8	30.1	26.8
B (B+, B, B-)	32.2	26.0	32.3	32.5	31.1	25.9	23.0
C (C+, C, C-)	23.6	27.7	13.2	11.3	12.3	13.3	13.9
D (D+, D, D-)	4.8	8.0	1.9	3.3	2.0	3.6	5.2
F (F, UF, WF)	3.8	11.1	9.1	14.2	12.3	9.0	10.1
WITHDRAWALS (W, WL)	9.9	6.3	15.8	10.8	13.3	12.0	14.6
INCOMPLETES	2.7	5.1	9.1	4.2	7.2	6.0	6.3
TOTAL (DAY & EVENING COMBINED)							
N=	886	1199	1518	1225	1133	1248	1045
A (A, A-)	21.3	15.6	19.2	21.5	14.5	18.7	21.1
B (B+, B, B-)	35.1	33.3	35.0	20.4	24.9	26.7	24.3
C (C+, C, C-)	25.8	27.4	15.9	14.8	18.0	15.3	13.3
D (D+, D, D-)	5.5	6.6	3.6	5.5	6.9	5.4	4.6
F (F, UF, WF)	1.7	6.1	6.0	14.4	14.1	11.5	10.5
WITHDRAWALS (W, WL)	8.1	7.4	13.8	15.2	14.4	13.9	15.5
INCOMPLETES	2.4	3.6	6.4	8.3	7.2	8.6	10.6

TABLE 16

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE NURSING DEPARTMENT

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=	138	243	128	283	495	613	699
A (A, A-)	10.9	6.6	0.0	12.0	4.6	5.2	2 3
B (B+, B, B-)	44.2	33.3	13.3	43.5	33.5	35.6	27 9
C (C+, C, C-)	28.3	46.1	45.3	31.1	38 2	39.2	43 1
D (D+, D, D-)	0.7	4.5	25.8	2.1	7.5	10.0	11.4
F (F, UF, WF)	2.9	6.2	0.8	4.9	8.9	1.5	3.0
WITHDRAWALS (W, WL)	2.2	2.5	14.8	6.4	7.3	8.2	12.3
INCOMPLETES	10.9	0.8	0.0	0.0	0 0	0.5	0.0
EVENING DIVISION							
N=						29	29
A (A, A-)	*	*	*	*	*	3.4	6.9
B (B+, B, B-)	*	*	*	*	*	10.3	27.6
C (C+, C, C-)	*	*	*	*	*	44.8	13.8
D (D+, D, D-)	*	*	*	*	*	10.3	0.0
F (F, UF, WF)	*	*	*	*	*	0.0	24.1
WITHDRAWALS (W, WL)	*	*	*	*	*	31.0	27.6
INCOMPLETES	*	*	*	*	*	0.0	0.0
TOTAL (DAY & EVENING COMBINED)							
N=	138	243	128	283	495	642	728
A (A, A-)	10.9	6.6	0.0	12.0	4.6	5.1	2.5
B (B+, B, B-)	44.2	33.3	13.3	43.5	33.5	34.4	27.9
C (C+, C, C-)	28.3	46.1	45.3	31.1	38.2	39.4	41.9
D (D+, D, D-)	0.7	4.5	25.8	2.1	7.5	10.0	11.0
F (F, UF, WF)	2.9	6.2	0.8	4.9	8.9	1.4	3.8
WITHDRAWALS (W, WL)	2.2	2.5	14.8	6.4	7.3	9.2	12.9
INCOMPLETES	10.9	0.8	0.0	0.0	0.0	0.5	0.0

Table 17

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE PHYSICS DEPARTMENT

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=		481	529	526	630	852	817
A (A, A-)	*	10.0	10.0	12.4	12.2	10.4	12.0
B (B+, B, B-)	*	24.7	24.4	22.6	25.6	23.5	24.7
C (C+, C, C-)	*	35.6	25.5	24.1	26.2	25.1	28.5
D (D+, D, D-)	*	12.3	8.9	8.6	6.2	8.6	6.6
F (F, UF, WF)	*	4.8	1.3	6.7	6.5	5.5	3.3
WITHDRAWALS (W, WL)	*	11.9	28.4	22.2	19.7	18.4	17.4
INCOMPLETES	*	0.8	1.5	3.2	3.7	8.5	7.5
EVENING DIVISION							
N=		104	140	138	123	127	159
A (A, A-)	*	6.7	15.0	20.3	13.8	14.2	17.0
B (B+, B, B-)	*	20.2	17.1	27.5	18.7	20.5	27.0
C (C+, C, C-)	*	25.0	28.6	23.2	29.3	32.3	15.7
D (D+, D, D-)	*	9.6	3.6	6.5	6.5	8.7	5.0
F (F, UF, WF)	*	18.3	2.1	8.7	11.4	2.4	4.4
WITHDRAWALS (W, WL)	*	18.3	27.9	12.3	20.3	13.4	24.5
INCOMPLETES	*	1.9	5.7	1.4	0.0	8.7	6.3
TOTAL (DAY & EVENING COMBINED)							
N=		585	669	664	753	979	976
A (A, A-)	*	9.4	11.1	14.0	12.5	10.9	12.8
B (B+, B, B-)	*	23.9	22.9	23.6	24.4	23.1	25.1
C (C+, C, C-)	*	33.7	26.2	23.9	26.6	26.0	26.4
D (D+, D, D-)	*	11.8	7.8	8.1	6.2	8.6	6.4
F (F, UF, WF)	*	7.2	1.5	7.1	7.3	5.1	3.5
WITHDRAWALS (W, WL)	*	13.0	28.3	20.2	19.7	17.8	18.5
INCOMPLETES	*	1.0	2.4	2.9	3.1	8.5	7.3

*No data available (Physics was part of the Social Science Dep't)

TABLE 18

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE SOCIAL SCIENCE DEPARTMENT

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=	2224	3237	2548	3851	4425	4500	4333
A (A, A-)	8.2	10.0	10.9	9.1	9.9	9.0	10.1
B (B+, B, B-)	26.3	24.4	32.8	25.2	26.2	27.9	28.3
C (C+, C, C-)	35.8	35.6	30.0	27.8	29.2	28.5	24.2
D (D+, D, D-)	13.3	11.8	5.6	9.2	9.5	9.5	8.5
F (F, UF, WF)	5.4	5.1	3.1	10.3	8.6	6.4	7.6
WITHDRAWALS (W, WL)	8.6	9.8	13.2	15.8	13.2	13.6	15.1
INCOMPLETES	2.4	3.2	4.3	2.6	3.4	5.0	6.1
EVENING DIVISION							
N=	2166	2364	1923	1778	1543	1537	1556
A (A, A-)	10.5	7.6	10.9	13.3	16.8	17.5	17.7
B (B+, B, B-)	24.3	21.1	28.9	27.6	30.8	31.1	28.5
C (C+, C, C-)	28.9	28.4	25.3	25.3	21.4	19.6	20.4
D (D+, D, D-)	11.4	12.7	6.2	8.2	6.5	7.3	5.5
F (F, UF, WF)	5.2	10.1	3.4	13.1	9.6	5.9	7.1
WITHDRAWALS (W, WL)	15.1	15.0	20.3	7.8	10.1	12.5	12.3
INCOMPLETES	4.5	4.9	5.1	4.7	4.8	6.1	8.5
TOTAL (DAY & EVENING COMBINED)							
N=	4390	5601	4471	5629	5968	6037	5890
A (A, A-)	9.3	9.0	10.9	10.4	11.6	11.1	12.1
B (B+, B, B-)	25.4	23.0	31.1	25.9	27.4	28.7	28.4
C (C+, C, C-)	32.4	32.6	28.0	27.0	27.2	26.3	23.2
D (D+, D, D-)	12.3	12.2	5.9	8.9	8.7	9.0	7.7
F (F, UF, WF)	5.3	7.2	3.2	11.2	8.9	6.3	7.5
WITHDRAWALS (W, WL)	11.8	12.0	16.3	13.3	12.4	13.4	14.4
INCOMPLETES	3.4	3.9	4.7	3.3	3.8	5.3	6.7

TABLE 19

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE SPEECH COMMUNICATION AND THEATER ARTS DEP'T

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=	644	781	838	1191	1243	1039	1052
A (A, A-)	9.3	9.6	7.8	7.1	8.6	10.1	10.7
B (B+, B, B-)	44.6	32.3	36.6	31.6	31.2	27.9	33.1
C (C+, C, C-)	36.6	37.9	30.9	28.6	27.8	29.5	25.1
D (D+, D, D-)	1.1	5.0	3.3	8.1	4.9	5.6	4.6
F (F, UF, WF)	0.5	3.1	1.3	11.1	11.3	4.6	4.0
WITHDRAWALS (W, WL)	7.9	11.4	19.0	12.3	13.7	17.8	16.9
INCOMPLETES	0.0	0.8	1.1	1.0	2.4	4.4	5.4
EVENING DIVISION							
N=	252	235	257	258	296	278	262
A (A, A-)	12.7	9.8	7.8	13.2	11.8	14.4	16.7
B (B+, B, B-)	50.0	48.1	39.7	45.3	49.7	47.5	41.1
C (C+, C, C-)	17.5	27.2	30.0	17.1	16.9	13.3	14.4
D (D+, D, D-)	2.8	2.1	3.9	5.0	1.7	1.8	3.7
F (F, UF, WF)	2.4	4.7	3.1	9.3	9.5	6.8	11.1
WITHDRAWALS (W, WL)	13.9	8.1	12.8	9.7	10.1	11.5	11.1
INCOMPLETES	0.8	0.0	2.7	0.4	0.4	4.7	1.9
TOTAL (DAY & EVENING COMBINED)							
N=	896	1016	1095	1449	1539	1317	1314
A (A, A-)	10.3	9.6	7.8	8.2	9.2	11.0	12.0
B (B+, B, B-)	46.1	35.9	37.4	34.0	34.7	32.0	35.0
C (C+, C, C-)	31.3	35.4	30.7	26.6	25.7	26.1	23.1
D (D+, D, D-)	1.6	4.3	3.5	7.6	4.3	4.8	4.4
F (F, UF, WF)	1.0	3.4	1.7	10.8	11.0	5.1	4.9
WITHDRAWALS (W, WL)	9.6	10.6	17.5	11.9	13.0	16.5	15.8
INCOMPLETES	0.2	0.6	1.5	.9	2.0	4.5	4.7

TABLE 20

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL NON-CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS 1968	1969	1970	POST OPEN ENROLLMENT SPRING SEMESTERS 1971	1972	1973	1974
DAY DIVISION							
N=	238	270	407	1731	1821	2017	2204
F (F, WF, UF)	30.3	16.0	6.6	18.0	15.8	14.0	13.3
W (W, WL)	15.1	16.3	16.5	10.0	9.8	13.0	9.9
H (H, HC, HP)	*	*	17.0	12.9	13.2	7.1	12.8
P (PASS)	50.0	64.8	55.0	57.7	58.8	58.7	57.9
INCOMPLETES	4.6	3.0	4.9	1.4	2.4	7.3	6.0
EVENING DIVISION							
N=	401	410	877	1118	828	1219	908
F (F, WF, UF)	19.0	17.5	8.9	30.8	12.8	13.0	15.2
W (W, WL)	16.2	20.5	13.1	4.4	7.7	5.7	7.3
H (H, HC, HP)	*	*	9.7	10.8	10.0	19.8	5.4
P (PASS)	63.1	60.4	65.0	53.1	67.8	59.7	68.1
INCOMPLETES	1.7	1.7	3.3	0.9	1.7	1.9	4.0
TOTAL (DAY & EVENING COMBINED)							
N=	639	680	1284	2849	2649	3236	3112
F (F, WF, UF)	23.2	17.0	8.2	23.0	14.9	13.6	13.9
W (W, WL)	15.8	19.2	14.1	7.8	9.1	10.3	9.1
H (H, HC, HP)	*	*	12.0	12.1	12.2	11.9	10.6
P (PASS)	58.2	61.8	61.8	55.9	61.6	59.1	60.9
INCOMPLETES	2.8	2.1	3.8	1.2	2.2	5.7	5.5

* H grades not utilized in Spring, 1968, 1969.

TABLE 21

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL NON-CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE BASIC SKILLS DEPARTMENT

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=	175	159	295	1163	1298	1262	1335
F (F, WF, UF)	34.9	22.6	7.1	16.0	14.7	15.9	16.4
W (W, WL)	16.0	19.5	12.5	7.6	8.6	12.0	8.5
H (H, HC, HP)	*	*	18.3	13.9	12.2	4.8	15.1
P (PASS)	44.6	54.7	58.3	61.2	62.9	63.9	57.7
INCOMPLETES	4.6	3.1	3.7	1.3	1.6	3.3	2.2
EVENING DIVISION							
N=	294	240	611	904	650	974	580
F (F, WF, UF)	17.7	15.0	11.6	29.9	12.0	11.3	14.8
W (W, WL)	13.9	22.5	13.6	3.5	6.3	4.2	4.8
H (H, HC, HP)	*	*	13.6	13.1	11.4	24.2	7.2
P (PASS)	67.0	61.2	57.3	53.0	68.8	58.5	71.7
INCOMPLETES	1.4	1.2	3.9	0.6	1.5	1.7	1.4
TOTAL (DAY & EVENING COMBINED)							
N=	469	399	906	2067	1948	2236	1915
F (F, WF, UF)	24.1	18.0	10.2	22.1	13.8	13.9	15.9
W (W, WL)	14.7	21.3	13.2	5.8	7.8	8.6	7.4
H (H, HC, HP)	*	*	15.1	13.5	12.0	13.3	12.7
P (PASS)	58.6	58.6	57.6	57.6	64.8	61.6	61.9
INCOMPLETES	2.6	2.0	3.9	1.0	1.6	2.6	2.0

* H grades not utilized in Spring, 1968, 1969.

TABLE 22

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL NON-CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE MATH DEPARTMENT

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=	63	52	74	448	403	548	696
F (F, WF, UF)	17.5	11.5	1.4	23.2	21.6	12.6	8.9
W (W, WL)	12.7	23.1	36.5	18.5	13.9	15.3	12.5
H (H, HC, HP)	*	*	14.9	11.4	18.9	12.6	8.1
P (PASS)	65.1	61.5	40.5	44.6	40.0	41.8	55.8
INCOMPLETES	4.8	3.8	6.8	2.2	5.7	17.7	14.7
EVENING DIVISION							
N=	107	147	239	192	160	209	293
F (F, WF, UF)	22.4	22.4	2.9	37.0	16.9	19.6	15.1
W (W, WL)	22.4	27.2	7.1	7.3	14.4	12.9	13.0
H (H, HC, HP)	*	*	0.0	0.5	3.1	1.0	2.1
P (PASS)	52.3	46.9	89.1	52.6	63.1	63.6	60.3
INCOMPLETES	2.8	3.4	0.8	2.6	2.5	2.9	9.6
TOTAL (DAY & EVENING COMBINED)							
N=	170	199	313	640	563	757	989
F (F, WF, UF)	20.6	19.6	2.6	27.3	20.2	14.5	10.7
W (W, WL)	18.8	26.1	14.1	15.2	14.0	14.7	12.7
H (H, HC, HP)	*	*	3.5	8.1	14.4	9.4	6.3
P (PASS)	57.1	50.8	77.6	47.0	46.5	47.8	57.1
INCOMPLETES	3.5	3.5	2.2	2.3	4.8	13.6	13.2

* H grades not utilized in Spring, 1968, 1969.

TABLE 23

A LONGITUDINAL COMPARISON OF THE DISTRIBUTION OF GRADES FOR ALL NON-CREDIT COURSES GIVEN AT QUEENSBOROUGH COMMUNITY COLLEGE IN THE SPEECH COMMUNICATION AND THEATRE ARTS DEPARTMENT

GRADES	PRE OPEN ENROLLMENT SPRING SEMESTERS			POST OPEN ENROLLMENT SPRING SEMESTERS			
	1968	1969	1970	1971	1972	1973	1974
DAY DIVISION							
N=		59	38	120	120	207	173
F (F, WF, UF)	**	1.7	13.2	17.5	8.3	5.8	7.5
W (W, WL)	**	1.7	7.9	1.7	9.2	12.6	9.8
H (H, HC, HP)	**	*	10.5	9.2	5.0	6.8	13.9
P (PASS)	**	94.9	57.9	71.7	77.5	71.0	67.6
INCOMPLETES	**	1.7	10.5	0.0	0.0	3.9	1.2
EVENING DIVISION							
N=		23	27	22	18	36	35
F (F, WF, UF)	**	8.7	0.0	13.6	5.6	19.4	22.8
W (W, WL)	**	4.3	55.6	13.6	0.0	2.8	0.0
H (H, HC, HP)	**	*	7.4	9.1	22.2	8.3	2.9
P (PASS)	**	87.0	25.9	63.6	72.2	69.4	74.3
INCOMPLETES	**	0.0	11.1	0.0	0.0	0.0	0.0
TOTAL (DAY & EVENING COMBINED)							
N=		82	65	142	138	243	208
F (F, WF, UF)	**	3.7	7.7	16.9	8.0	7.8	10.1
W (W, WL)	**	2.4	27.7	3.5	8.0	11.1	8.2
H (H, HC, HP)	**	*	9.2	9.2	7.2	7.0	12.0
P (PASS)	**	92.7	44.6	70.4	76.8	70.8	68.8
INCOMPLETES	**	1.2	10.8	0.0	0.0	3.3	1.0

** No data available

* H grades not utilized in Spring 1969.

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APPENDIX A

A LONGITUDINAL COMPARISON OF FREQUENCY AND PERCENTAGES OF INCOMING FRESHMEN (1970-1974) BY HIGH SCHOOL AVERAGE CATEGORY AND SEMESTER OF ADMISSION[1]

Semester	High School Average (1)[a] 80% & Above	(2)[b] 75-79.9%	(3) 75% & Above (Regular)	(4) 70-74.9% (Level A)	(5) Below 70% (Level B)	(6) Unknown or Inapplicable	(7) Total (100%)
Fall '70			1083 (36.0)	1037 (34.5)	888 (29.5)	-	3008
Spring '71			128 (25.2)	179 (35.3)	200 (39.4)	-	507
Fall '71			1195 (41.2)	997 (34.4)	695 (24.0)	11 (0.3)	2898
Spring '72			139 (19.9)	156 (22.3)	404 (57.8)	0	699
Fall '72			1226 (38.2)	922 (38.7)	954 (29.7)	108 (3.4)	3210
Spring '73			313 (32.6)	267 (27.8)	381 (39.6)	-	961
Fall '73	583 (19.3)[a]	768 (25.5)[b]	1351 (44.7)[c]	893 (29.6)	658 (21.8)	119 (3.9)	3021
Spring '74	195 (20.1)[a]	220 (22.7)[b]	415 (42.8)[c]	235 (24.2)	317 (32.7)	3 (0.3)	970
Total	778 (5.1)[a]	998 (6.5)[b]	5850 (38.3)[c]	4686 (30.7)	4497 (29.4)	241 (1.6)	15274

[a] 80% and above category not reported till Fall '73

[b] 75-79.9% category not reported till Fall '73

[c] 75% and above category no longer reported in Form A. columns 1 and 2. (c=a + b)

[1] These data were extracted from QCC Enrollment Reports (Form A) prepared by the Registrar.

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QUEENSBOROUGH COMMUNITY COLLEGE
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QUEENSBOROUGH COMMUNITY COLLEGE
GRADE DISTRIBUTION INDICES: 1968 - 1976

OFFICE OF TESTING AND INSTITUTIONAL RESEARCH

QUEENSBOROUGH COMMUNITY COLLEGE
THE CITY UNIVERSITY OF NEW YORK
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1977

QUEENSBOROUGH COMMUNITY COLLEGE

OFFICE OF TESTING AND INSTITUTIONAL RESEARCH

GRADE DISTRIBUTION INDICES: 1968 - 1976

This analysis was conducted in an effort to generate an index of grade distributions to monitor and compare grades longitudinally.

Table I shows the distribution of grades for Spring semesters from 1968 through 1976 for the college as a whole (Day and Evening Divisions combined). The Grade Distribution Index (GDI) was calculated for each semester in the following manner:

1. Numerical weights were assigned to each group of grades using the mean of the values. For example: the mean of A(4.00) and A-(3.65) equals 3.825. In similar fashion, the mean of B+(3.35), B(3.00) and B-(2.65) equals 3.00.

2. The frequency of grades for each grade category was multiplied by the appropriate weight yielding Quality Points (QP) and summed for each semester. The total QP was then divided by the total frequency yielding a Grade Distribution Index (GDI).

The validity of this procedure was confirmed by computing an exact GDI for 1975 and 1976. The exact GDI differed from the grouped data GDI by less than .01.

The table further shows that the GDI rose from 1969 through 1970. In the first open admissions Spring semester (1971), the GDI dropped below the 1968 level and again rose slowly until 1974. Beginning in 1975, the GDI shows a decline.

It is interesting to note that the largest frequencies and percentages of 'F' grades occurred in 1971 (14.4%), the first Open Admissions spring semester and 1976 (14.0%) the last semester in

CUNY with free tuition.

In 1971, 1975 and 1976, unofficial withdrawals (WU) accounted for most of the failing grades with 1976 showing a rise of almost 6% over 1975. This may be explained by Spring 1976 students registering for more courses then they could handle prior to Fall 1976 when tuition was imposed.

An additional factor may be that the percentage of entering Spring 1976 freshmen with College Admission Averages (CAA) below 70 more than doubled from Fall 1975 (20.1% to 43.2%) and was more than 6 times as great, percentage-wise, than Spring 1975 (6.5% to 43.2%). See Table 2.

Spring semesters were used in this analysis because the data were readily available from a previous study conducted by the Office of Testing and Institutional Research ("A Longitudinal Comparison of the Distribution of Grades at QCC for Spring semesters 1968-1974"). A future study should generate Fall semester GDIs for each department as well as for the college as a whole.

TABLE I

QCC COLLEGE-WIDE GRADE DISTRIBUTIONS FOR SPRING SEMESTERS: 1968-1976 SHOWING FREQUENCY OF GRADES, QUALITY POINTS (QP) AND GRADE DISTRIBUTION INDICES (GDI)
(Excludes Non-Credit Courses in Basic Ed. Skills, Mathematics, Speech and Adult Education)

		Spring Semesters								
Grades	Weight	1968	1969	1970	1971	1972	1973	1974	1975	1976
A(A,A-)	3.825	2730	3491	4202	4735	5169	5947	6252	6592	6028
QP		10442.25	13353.075	16072.65	18111.375	19771.425	22747.275	23913.9	25214.4	23057.1
B(B+,B,B-)	3.00	6064	7364	9753	10586	10604	11608	11641	12291	10808
QP		18192	22092	29259	31758	31812	34824	34923	36873	32424
C(C+,C,C-)	2.00	6356	8291	8154	9046	9121	9270	8802	9441	9023
QP		12712	16582	16308	18092	18242	18540	17604	18882	18046
D(D+,D,D-)	1.00	1959	2564	1694	2925	2850	3076	2674	2941	3180
QP		1959	2564	1694	2925	2850	3076	2674	2941	3180
F(F,WU,WF)	0	1021	1582	878	4581[c]	3611	3076	2879	3209[b]	4725[a]
QP		0	0	0	0	0	0	0	0	0
Total		18130	23292	24681	31873	31355	32977	32248	34474	33764
Total QP		43305.25	54591.075	63333.65	70886.375	72675.425	79187.275	79114.9	83910.4	76707.1
GDI		2.389	2.344	2.566	2.224	2.318	2.401	2.453	2.434	2.272

Breakdown of 'F' Grades:

Year	F	WF	WU	Total
a) 1976	986(20.9)	34(<1)	3705(78.4)	4725(100%)
b) 1975	784(24.4)	96(3.0)	2329(72.6)	3209(100%)
c) 1971	1020(22.3)	102(2.2)	3459(75.5)	4581(100%)

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Table 2

A LONGITUDINAL COMPARISON OF FREQUENCY AND PERCENTAGE OF INCOMING FRESHMEN (1969-1977) BY HIGH SCHOOL AVERAGE CATEGORY AND SEMESTER OF ADMISSION[1] AT QUEENSBOROUGH COMMUNITY COLLEGE

	High School Average						
	(1)[a] 80% & Above	(2)[b] 75-79.9%	(3) 75% & Above (Regular)	(4) 70-74.9% (Level A)	(5) Below 70% (Level B)	(6) Unknown or Inapplicable	(7) Total-100%
Semester							
Spring '69	50 (20.7)	103 (42.7)	153 (63.5)	81 (33.6)	7 (2.9)	0	241
Fall '69	786 (29.3)	14[illegible]o (52.9)	2202 (82.2)	473 (17.7)	4 (0.1)	0	2679
Spring '70	*	*	*	*	*	*	*
Fall '70	*	*	1083 (36.0)	1037 (34.5)	888 (29.5)	0	3008
Spring '71	*	*	128 (25.2)	179 (35.3)	200 (39.4)	0	507
Fall '71	*	*	1195 (41.2)	997 (34.4)	695 (24.0)	11 (0.3)	2898
Spring '72	*	*	139 (19.9)	156 (22.3)	404 (57.8)	0	699
Fall '72	*	*	1226 (38.2)	922 (38.7)	954 (29.7)	108 (3.4)	3210
Spring '73	*	*	313 (32.6)	267 (27.8)	381 (39.6)	0	961
Fall '73	583 (19.3)	768 (25.5)	1351 (44.7)[c]	893 (29.6)	658 (21.8)	119 (3.9)	3021
Spring '74	195 (20.1)	220 (22.7)	415 (42.8)[c]	235 (24.2)	317 (32.7)	3 (0.3)	970
Fall '74	615 (16.0)	796 (20.8)	1411 (36.8)[c]	1141 (29.8)	1233 (32.2)	49 (1.3)	3834
Spring '75	312 (35.5)	337 (38.3)	649 (73.8)[c]	170 (19.3)	57 (6.5)	4 (0.5)	880
Fall '75	565 (20.2)	768 (27.4)	1333 (47.6)[c]	900 (32.2)	563 (20.1)	2 (0.0)	2798
Spring '76	193 (14.3)	226 (16.7)	419 (31.0)[c]	341 (25.2)	585 (43.2)	8 (0.6)	1353
Fall '76	544(17.2)	925(29.3)	1469(46.6)	1084(34.4)	516(16.4)	85(2.7)	3154
Spring '77	131(13.6)	242(25.1)	373(38.7)	337(35.0)	247(25.6)	6(0.6)	963

* Not available

[a] 80% and above category not reported until Fall '73.

[b] 75-79.9% category not reported until Fall '73

[c] 75% and above category no longer reported in Form A. Column (3) = sum of columns (1) and (2).

[1] These data were extraded from QCC "Enrollment and Admissions" Reports (Form A) prepared by the Registrar.

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